

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

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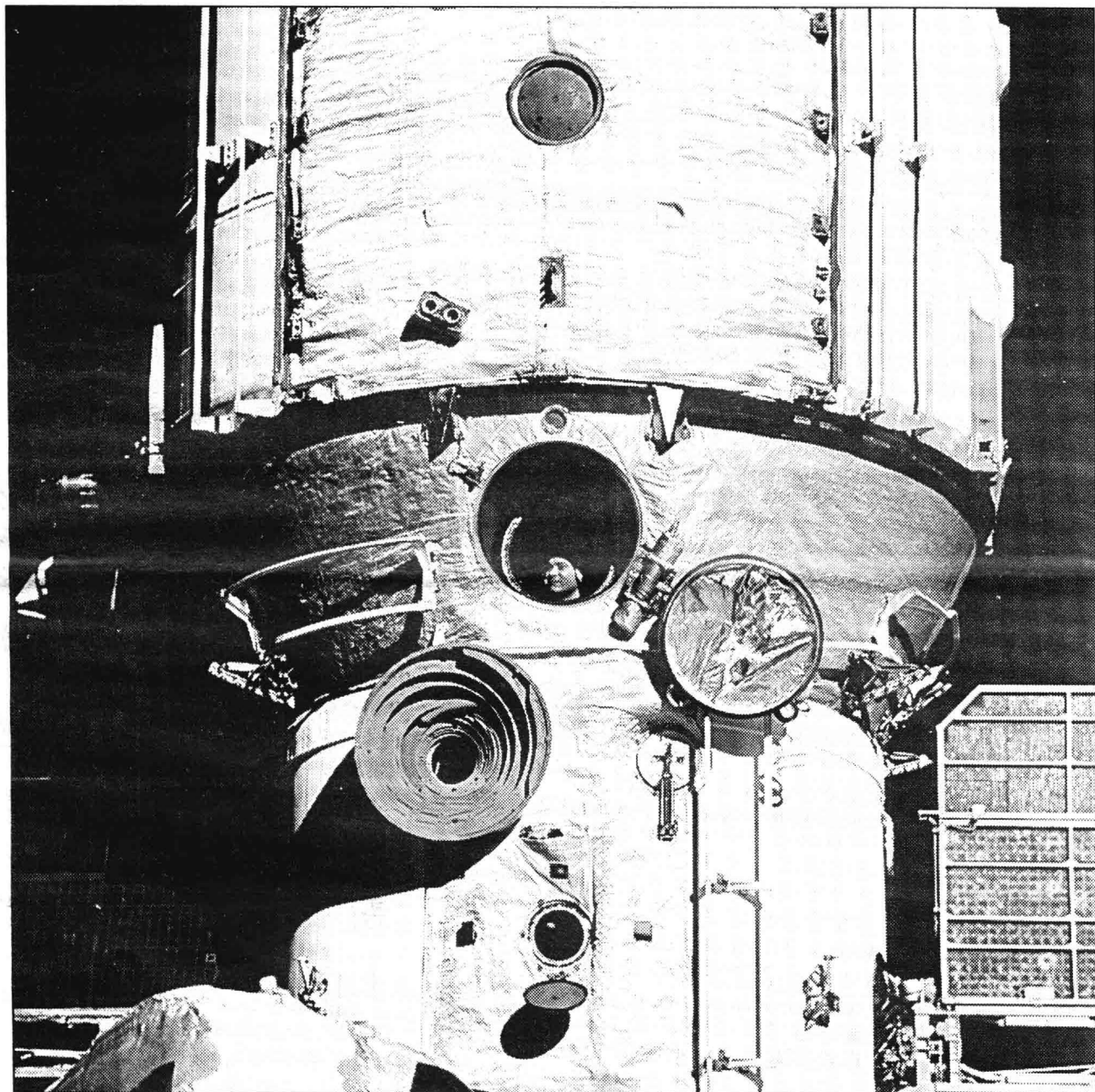
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"We Were in the Neighborhood, so We Stopped by to Say "Hello!"



Cosmonaut Valery V. Polyakov, who boarded Russia's Mir space station on January 8, 1994, looks out Mir's window during rendezvous operations with the U.S. Space Shuttle Discovery (STS-63) in early February, 1995. The shuttle and Mir closed to within about 34 feet of each other. The Mir space station is well known to satellite-chasing packeteers as the orbiting home of R0MIR/R0MIR-1. Aboard Discovery were astronauts James D. Wetherbee, mission commander; Eileen M. Collins, pilot; Bernard A. Harris, Jr., payload commander; mission specialists C. Michael Foale (KB5UAC); Janice E. Voss, and cosmonaut Vladimir G. Titov. SAREX gear was scheduled to be aboard Discovery for random, off-duty hours QSOs, the first time such activity was planned. The next SAREX flight, STS-67, scheduled for March 2 to 18, will include the usual scheduled radio contacts with schools, random radio contacts with amateurs, and personal contacts with the astronauts' families. Flying on STS-67 are Stephen S. Oswald, commander, KB5YSR; Wendy B. Lawrence, mission specialist, KC5KII; Ronald A. Parise, payload specialist, WA4SIR; and Samuel T. Durrance, payload specialist, N3TOA. Two more crew members have passed Technician class exams and await call signs. Schools expected to participate are located in 17 states, as well as South Africa, India, and Australia.

- NASA photo/information from *The ARRL Letter*, 2/2/95

"Vanity" Call Sign Order Released

One Call Only Per Licensee

The FCC today released its Report and Order in PR Docket 93-305, amending its rules to provide for a "vanity" call sign program. The new rules are effective March 24.

Each new amateur station licensed by the FCC is assigned a unique call sign through an automated process in accordance with the sequential call sign system. To accommodate requests for specific, "vanity" call signs, the Commission will use a series of four "starting gates." Gate One will allow a previous holder of a call sign to apply for that call sign or, where the holder is deceased, a close relative could apply, even if he or she is not otherwise eligible to hold the call sign. Gate Two will allow Amateur Extra Class licensees to apply. Gate Three will allow Advanced Class operators to apply; and Gate Four will open the system to any licensee, including a club station license trustee applying for the call sign of a deceased former holder. Upon being assigned a "vanity" call sign, a licensee will relinquish his current call sign. In other words, one amateur, one call. The "vanity" call will *not* be a second call sign for a licensee. The licensee's current call sign will eventually be made available for reassignment.

The Commission will announce the opening of each gate by a Public Notice. The first gate will open as soon as the new application form, FCC Form 610-V, is available and the Commission's licensing facility is prepared to begin processing the applications.

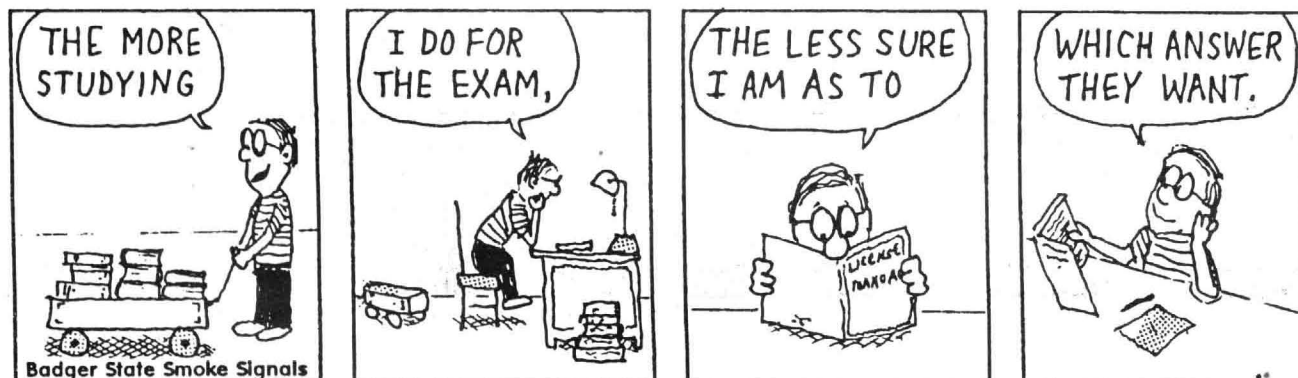
The Commission said opening Gate One first to the small group of eligible licensees will allow for validation of their procedures and alert its staff to the need for adjustments. The following gates two through four will be opened sequentially "at such times as it is clear that the system is ready to accommodate more applications."

Applications will go to the Commission's contractor, Mellon Bank, which will accept them in

Please turn to page 7

ELMER

By Rich Regent, K9GDF



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WHAT'S HAPPENING

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EDITED BY KENNETH A. EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901

Swapfests and Other Social Events

SUNDAY, MARCH 19, 1995. Tri-County Amateur Radio Club Hamfest, Jefferson County Fairgrounds Activity Center, Jefferson, WI. Contact: TCARC, W9MQB, 213 Frederick, Fort Atkinson, WI 53538. (414) 563-6381 (evenings).

SUNDAY, APRIL 2, 1995. Madison Swapfest. Dane County Expo Center Forum building. Electronic equipment and components for Hams, computer hobbyists and experimenters. Commercial dealers for new and used equipment. For information on booths, tables and tickets contact: MARA, PO Box 8890, Madison, WI 53708-8890.

SATURDAY, APRIL 8, 1995. AHSTC and Brown County ARES Swapfest, Ashwaubenon High School, 2391 South Ridge Road, Green, Bay, WI. From Highway 41, take Oneida Street exit. Turn east towards Exel Inn, continue on Oneida until Anderson Drive, Turn left at stoplight on to Anderson, and continue past football field to Ashwaubenon High School on right. Contact: Chad Stiles, N9PAY, 2171 Barberry Lane, Green Bay, WI 54304. (414) 494-2936 or Lisa Kolbusz, N9VJL, 520 Columbia #A, Green Bay, WI. (414) 497-1807.

SUNDAY, APRIL 9, 1995. Electronic expo & Hamfest, Metro Center, Rockford, IL. Contact Wayne or Fay at (815) 397-6027.

SATURDAY, MAY 6, 1995. Ozaukee Radio Club, Swapfest, Cedarburg, WI. Circle B Recreation Center, intersection of highways 60 and county I. Advance admission \$2.00 (\$3.00 at door), Tables: 4 foot \$3.00. Contact: ORC Swapfest committee, W70 N1018 Hampton Ct., Cedarburg, WI 53012.

SUNDAY, JULY 2, 1995. Northwoods Amateur

Radio Club annual Hamfest, Located in Rhineland-er, WI at the Taj Mahall, Head north on Stevens St., to Pueblo Dr., turn left (by Nissan dealer). Contact Northwoods ARC., 5286 Sycamore St., Rhineland, WI 54501. (715) 369-5194.

SATURDAY, MAY 13, 1995. Lakeshore Hamfest. Contact: ManCoRad. PO Box 204, Manitowoc, WI 54221-0204.

SUNDAY, JUNE 11, 1995. Annual Central Wisconsin Radio Amateurs Swapfest, Stevens Point, WI.

SATURDAY, JULY 8, 1995. South Milwaukee Swapfest, American Legion Post 434, Oak Creek, WI. Contact SMARC, PO box 102, South Milwaukee, WI 53172. (414) 762-3235.

SUNDAY, JULY 30, 1994. Racine Hamfest, Racine, WI. Contact: Racine Megacycle Club, PO Box 3, Racine, WI 53401-0003.

SATURDAY, AUGUST 12, 1995. Northwoods Hamfest, at Sugar Camp town hall near Rhinland-er, WI. Contact Mary Berger, NS9Q, 367 Lois St., Rhinland, WI 54501. (715) 362-9296.

SATURDAY, AUGUST 26, 1994. Riverland Hamfest-Computer Expo and Antique radio show. La Crosse, WI. Contact: Dick Low, KOJYB, 1520 Nakomis Ave., La Crosse, WI 54603. (608) 784-9176.

SATURDAY, SEPTEMBER 2, 1995. Hayward, WI Hamfest. Sponsored by Namekagon Valley Wireless Association. Held at the Armory in Hayward from 7:00 a.m. to 3:00 p.m.

SATURDAY, NOVEMBER 4, 1995. 11th annual Friendlyfest at the Waukesha County Expo Center, Waukesha, WI. Contact Milwaukee Repeater Club, Inc., PO Box 2123, Milwaukee, WI 53201.

See also the back page and flyer ads for additional information on many of these events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of

interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the January 1995 meetings column for the latest complete listing. The following are additions or changes since that listing.

M & M AMATEUR RADIO CLUB

General meeting held second Thursday each month at 7:00 p.m. at Menominee BANC 4th floor, Tenth Ave., Menominee, MI 49858.

MANITOWOC COUNTY RADIO AMATEURS

Directors Meeting: First Wed. Held at 7:30 p.m. in the basement, Manitowoc City Hall, 817 Franklin ST., Manitowoc.

General meeting: Second Wed. Held at 7:30 p.m. at Associated Manitowoc Bank, corner of 8th and Franklin Streets.

WISCONSIN RAPIDS AMATEUR RADIO CLUB

Third Wednesday, 7:00 p.m. Emergency Government Office, Wood County Court House. Talk-in on 146.79 for entry into the building.

Net on Sundays at 8:00 p.m. on 146.79.

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

EDITOR: Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

TREASURER: Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

CONTRIBUTING AUTHOR: Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

Subscriptions

1 year	(12 issues)	\$12.00
2 years	(24 issues - save \$2.00)	\$22.00
3 years	(36 issues - save \$4.00)	\$32.00

Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that

month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections should be sent to Ken Ebnetter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Swapfest information should be sent to Ken Ebnetter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN. This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901. *Badger State Smoke Signals* is incorporated as a Wisconsin non-stock, non-profit organization.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

March 4, 1995	Oak Creek, WI (SWAT/MRAC)
March 4, 1995	Racine, WI
March 11, 1995	Madison, WI
March 15, 1995	West Allis, WI (MRAC)
March 18, 1995	Loves Park, IL
March 18, 1995	Milwaukee, WI (BE)
March 25, 1995	Wauwatosa, WI (MRAC)
March 25, 1995	Menomonee, WI
March 25, 1995	Tomahawk, WI
April 1, 1995	Oak Creek, WI (SWAT/MRAC)
April 1, 1995	Racine, WI
April 1, 1995	River Falls, WI
April 8, 1995	Madison, WI
April 8, 1995	Green Bay, WI
	ARES Hamfest
April 15, 1995	Marshfield, WI
April 15, 1995	Loves Park, IL
April 15, 1995	Milwaukee, WI (BE)
April 19, 1995	West Allis, WI (MRAC)
April 29, 1995	Wauwatosa, WI (MRAC)
April 29, 1995	Tomahawk, WI
May 6, 1995	Racine, WI
May 6, 1995	Cedarburg, WI (BE)
	Ozaukee Swapfest
May 13, 1995	Madison, WI
May 13, 1995	Oak Creek, WI (SWAT/MRAC)
May 13, 1995	Manitowoc, WI
	Lakeshore Hamfest
May 17, 1995	West Allis, WI (MRAC)
May 20, 1995	Dubuque, IA
May 20, 1995	Loves Park, IL

May 27, 1995 Wauwatosa, WI (MRAC)
 May 27, 1995 Tomahawk, WI
 June 3, 1995 Racine, WI
 June 3, 1995 River Falls, WI
 June 10, 1995 Madison, WI
 June 11, 1995 Stevens Point, WI
 CWRA Swapfest
 June 21, 1995 West Allis, WI (MRAC)
 June 17, 1995 Loves Park, IL
 June 24, 1995 Wauwatosa, WI (MRAC)
 June 24, 1995 Tomahawk, WI
 July 8, 1995 Oak Creek, WI
 SMARC Hamfest
 July 19, 1995 West Allis, WI (MRAC)
 July 15, 1995 Loves Park, IL
 July 29, 1995 Wauwatosa, WI (MRAC)
 July 29, 1995 Tomahawk, WI
 July 30, 1995 Racine, WI
 Racine Hamfest
 August 5, 1995 River Falls, WI
 August 12, 1995 Marshfield, WI
 Northwoods Hamfest
 August 16, 1995 West Allis, WI (MRAC)
 August 19, 1995 Loves Park, IL
 August 26, 1995 Wauwatosa, WI (MRAC)
 August 26, 1995 Tomahawk, WI
 September 2, 1995 Oak Creek, WI (SWAT/MRAC)
 September 2, 1995 Racine, WI
 September 9, 1995 Madison, WI
 September 10, 1995 Dubuque, IA
 Dubuque Hamfest
 September 20, 1995 West Allis, WI (MRAC)
 September 16, 1995 Loves Park, IL
 September 30, 1995 Wauwatosa, WI (MRAC)
 September 30, 1995 Tomahawk, WI
 October 7, 1995 Racine, WI
 October 7, 1995 River Falls, WI
 October 7, 1995 Oak Creek, WI (SWAT/MRAC)
 October 14, 1995 Madison, WI
 October 18, 1995 West Allis, WI (MRAC)
 October 21, 1995 Loves Park, IL
 October 28, 1995 Wauwatosa, WI (MRAC)
 October 28, 1995 Tomahawk, WI
 November 4, 1995 Racine, WI
 November 4, 1995 Oak Creek, WI (SWAT/MRAC)
 November 4, 1995 Menomonie, WI
 November 11, 1995 Marshfield, WI
 November 11, 1995 Madison, WI
 November 15, 1995 West Allis, WI (MRAC)
 November 18, 1995 Dubuque, IA
 November 18, 1995 Loves Park, IL
 November 25, 1995 Wauwatosa, WI (MRAC)
 December 2, 1995 Oak Creek, WI (SWAT/MRAC)
 December 2, 1995 Racine, WI
 December 2, 1995 River Falls, WI
 December 2, 1995 Stevens Point, WI
 December 9, 1995 Madison, WI
 December 20, 1995 West Allis, WI (MRAC)
 December 16, 1995 Loves Park, IL

Monthly, 1st Sat. Racine, WI
 (except January, July & August)
 Monthly, 1st Sat. Oak Creek, WI (SWAT/MRAC)
 (except May, June, July & August)
 Monthly, 2nd Sat. Madison, WI
 Monthly, 3rd Wed. West Allis, WI (MRAC)
 Monthly, 3rd Sat. Loves Park, IL
 Monthly, Last Sat. Wauwatosa, WI (MRAC)
 (except December)
 Monthly, Last Sat. Tomahawk, WI
 (January thru October only)
 Quarterly Marshfield, WI
 (Second Saturday every third month.)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

GENERAL RULES

FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy

of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL. Send a 32¢ SASE if you request one from the ARRL. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.90 payable to "ARRL/VEC".

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for their records. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)

OAK CREEK, WI (SWAT -MRAC/VEC)

FIRST SATURDAY DATES (No exams June, July or August. May exam on 2nd sat at 1:00 p.m.): 3:30 p.m. at 6560 S. 27th St., Oak Creek, WI. (2 -blocks south of College.) (MRAC fee \$5.00)

THIRD WEDNESDAY DATES: At 6:30 p.m. Manor at Park, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): 9:00 a.m. at 7500 W. State St., Wauwatosa S&L, lower level, Wauwatosa, WI.

For Additional Information Contact; Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write MRAC, 1737 N. 116th St., Wauwatosa, WI 53226.

Bring along your ORIGINAL license, CSCE and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required is \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE

Amateur exams: 1:00 p.m. to 4:00 p.m.

Commercial exams: 9:00 a.m. to 12:00 noon.

Unless otherwise noted at WMVS-TV studios, MATC Downtown campus in the C building. The address is 1036 N. 8th Street, Milwaukee. Enter at the North West entrance of C Building. Walk-ins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

Also available FCC General Radio Telephone Commercial exams. Fees are \$5.90 for the Amateur Radio exams and \$35.00 for the commercial exams.

MADISON, WI

VE exams are held in Madison every second Saturday morning (September through May) of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your original licence and a copy of your licence. For exams beyond the novice tests, bring a check for \$5.90, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark Jenks, N29B

RIVER FALLS, WI

Held in the church basement at the United Methodist Church, 127 South 2nd St., River Falls, WI. Contact: Chuck Kelly, KA9YRV, 234 W Cascade Ave., River Falls, WI 54022.

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted.

Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633.

STEVENS POINT, WI

Contact: Joe Larson, N9JW. (715) 344-1182.

APPLETON, WI - ARRL/VEC

MANITOWOC, WI (HAMFEST)

KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All test session in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Candidates check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-0967.

MENOMONIE, WI

The Menomonie VEC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

MARSHFIELD, WI (ARRL/VEC)

Sponsored by the Marshfield Area ARS. Held at St. Joseph Hospital, 611 St. Joseph Ave., in the 1 West classroom located adjacent to the Westwood Cafeteria on the main floor of the hospital. Use the main entrance or any other entrance and follow the signs to the cafeteria. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Talk in on the 147.18 Marshfield repeater. Walk-ins welcome. Contact: Walter Friant, WBOKIN, 2310 Wallonie Drive, Marshfield, WI 54449 (715) 387-3870.

GREEN BAY, WI (ARRL/VEC)

Contact N9NOF, Keith Summers, 918 Bluebird St., De Pere, WI 54115. (414) 336-6087, after 4:00 p.m.

KAUKAUNA, WI - SWAPFEST

MANITOWOC, WI, LAKESHORE HAMFEST

RACINE, WI - BIG BOY TOY SHOW

RHINELANDER, WI - NWARC SWAPFEST

STEVENS POINT, WI - CWRA SWAPFEST

WAUKESHA, WI - KMRA SWAPFEST

WAUKESHA, WI - MIDWINTER SWAPFEST

EAU CLAIRE, WI - ECARC HAMFEST

SOUTH MILWAUKEE, WI - SMARC HAMFEST

CEDARBURG, WI - ORC HAMFEST

ROCKFORD, IL - RARC HAMFEST

See the Swapfest column for additional information and contact persons.

GREAT RIVER AMATEUR RADIO CLUB

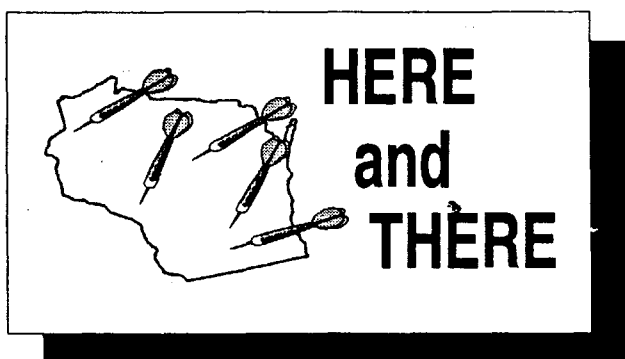
DUBUQUE, IOWA - ARRL/VEC

The Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately.

Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact: Carl Clark, NOKAX, 145 Delicia Drive, Dubuque, IA 52001. Or call Carl at 319-557-9149. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, (815) 877-6768.



Renewal Hearing Ordered

The FCC has designated for a hearing the application for renewal of an Amateur Extra Class operator's license and station license.

Herbert L. Schoenbohm, KV4FZ, of Kingshill, US Virgin Islands, has applied for renewal of his operator and station licenses. The FCC designated a hearing, saying that "it appears that Mr. Schoenbohm lacks the requisite qualifications for a renewal" of his licenses.

In 1992 Schoenbohm was convicted in US District Court of the fraudulent use of a counterfeit long-distance telephone access device, and was sentenced to a (suspended) two-month prison term, as well as placed on two years' probation.

The FCC said that Schoenbohm's conviction "is relevant to evaluating the likelihood that he will comply with the Commission's Rules as a licensee in the amateur service."

The FCC said issues to be addressed at a hearing would be Schoenbohm's qualification to renew his amateur licenses and whether such renewal "would serve the public interest, convenience and necessity."

The burden of proof "shall be upon (Schoenbohm) as to all issues," the FCC said.

- ARRL Bulletin ARLB010, 1/31/95

Young Ham Nominations

Nominations for Amateur Radio Newsline's "Young Ham of the Year" award are being accepted through April 30. The award will be made to a licensed amateur 18 years old or younger who has provided outstanding service to the nation or community, or for the betterment of the state of the Amateur Radio art.

This award program, founded in 1985, was formerly known as the "Westlink Report Young Ham of the Year," and has been assumed by Newsline following Westlink Report's ceasing publication in early January.

Corporate underwriting of the award has traditionally been supplied by Yaesu USA Corporation.

Last year's recipient of the award was Allison Zettwock, KD4CKP, of Louisville.

Send an SASE for an official nominating application to Newsline, 28197 Robin Avenue, Saugus, California 91350, or get it electronically from Newsline's Bill Pasternak, WA6ITF, on America Online, BILLWA6ITF; or on GENIE, B.PASTERNAK.

- ARRL Bulletin ARLX006, 1/27/95

From Junk Box to Motorcycles

John W. Frank, WB9TQG of Madison, is appreciated for his fascinating *John's Junk Box* column in the BSSS as confirmed by readers and Editor Jim Romelfanger. But lately WB9TQG hasn't had much time to write for *Smoke Signals*



Silent Key

August P. "Augie" Schuettler, WD9ESK, 75, of Baraboo, died on Saturday, January 28, 1995. Though not active on the air, Augie stayed up to date by attending classes periodically conducted by the Yellow Thunder Amateur Radio Club.

because he has three more editors to keep him busy.

Mr. Frank is a columnist for *American Iron Magazine* and also writes for *Motorcycle Tour and Travel*, *Hottest Custom Harleys* and *Thunder Alley*, all motorcycle-related magazines from Tam Communications, Norwalk, Connecticut. He also wrote an article for *Harley Lovers Christmas*, an annual publication from the same publisher.

John is a 1975 graduate in Mass Communication from the University of Wisconsin-Milwaukee.

What does John do in his spare time besides constructing ham radio projects using parts from his junk box? He is putting his vast electronic knowledge to use by building a new facility for WERN-FM.

- Richard R. Regent, K9GDF

Amateur Radio and the 1995 Special Olympics World Games

Amateur Radio will play an important role in the 1995 Special Olympics World Games this summer and amateurs around the world are asked to help.

The World Games, to be held June 28 to July 9 in New Haven, Connecticut, are expected to draw more than 10,000 athletes and their delegations from 140 countries, in addition to 45,000 volunteers, and perhaps hundreds of thousands of spectators and many celebrities.

Brian Battles, WS1O, Amateur Radio Liaison for the event, said "This is likely to be one of the largest public service communication support opportunities most US amateurs will ever see."

Battles said amateurs will help by operating a special-event station, W1SO (for Special Olympics), originating free radiogram greeting traffic on behalf of Special Athletes and spectators, and in other areas as needed.

All amateurs in Connecticut and nearby are invited to assist, and hams outside Connecticut are asked to be prepared to relay and deliver National Traffic System radiograms, and to make contacts with W1SO.

For more information, send mail to Brian Battles, in care of ARRL HQ, via packet to WS1OW1EDH.CT.USA.NOAM, or via e-mail to bbattles@arrl.org.

- ARRL Bulletin ARLX007, 1/27/95

QSO Party Photos Wanted

If you take part in the Wisconsin QSO Party Sunday, March 12 (1800Z March 12 to 0100Z March 13), please include a good quality photo or two of your operation with your entry. We'd like to print it in the "Rogue's Gallery" with the official results in June BSSS. Thanks!

Foundation for Amateur Radio Announces Scholarships

Includes awards from West Allis Radio Amateur Club, South Milwaukee Amateur Radio Club

THE FOUNDATION FOR AMATEUR RADIO, INC., a non-profit organization with headquarters in Washington, D.C., plans to administer fifty-six (56) scholarships for the academic year 1995 - 1996 to assist licensed Radio Amateurs. The Foundation, composed of over seventy-five local area Amateur Radio Clubs, fully funds five of these scholarships with the income from grants and its annual Hamfest. The remaining fifty-one (51) are administered by the Foundation without cost to the various donors.

Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled in or have been accepted for enrollment at an accredited university, college or technical school. The awards range from \$500 to \$2000 with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs. Clubs, especially those in Delaware, Florida, Maine, Maryland, New Jersey, Ohio, Pennsylvania, Virginia and Wisconsin, are encouraged to announce these opportunities at their meetings, on their nets, during training classes, and in their club newsletters.

Wisconsin clubs offering scholarships, the amounts and number of awards, and requirements are:

The WARAC Memorial Scholarships, which pay \$1000 each, are sponsored by the West Allis Radio Amateur Club, Inc. of Milwaukee, Wisconsin. Three scholarships will be awarded. Applicants must hold an Amateur Radio license, be residents of the state of Wisconsin, and plan to attend a school in Wisconsin, pursuing at least an Associate degree. Those seeking graduate degrees are also eligible.

The South Milwaukee Amateur Radio Club Scholarships, with four to be awarded, pay \$500 each. Applicants must hold an Amateur Radio license and intend to seek an Associate or baccalaureate degree in Electrical Engineering or technology from a college or university in the U.S. They may reside in Wisconsin, Illinois or Indiana, with preference given to Wisconsin residents.

Additional information and an application form may be requested by letter or QSL card, postmarked prior to April 30, 1995 from: FAR Scholarships, 6903 Rhode Island Avenue, College Park, MD 20740.

The Foundation for Amateur Radio, incorporated in the District of Columbia, is an exempt organization under Section 501(C)(3) of the Internal Revenue Code of 1954. It is devoted exclusively to promoting the interests of Amateur Radio and those scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

- FAR news release

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Send this form, with your check or money order, to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, WI 53913-0337. Please do NOT send cash!

March 1995

The Computer Corner

By Stan Kaplan, WB9RQR
11541 North Laguna Drive
Mequon, WI 53092-3119

XCOPY IS XCELLENT

Let's get off the memory kick for a bit, so I can share something useful and practical with you.

Everyone who owns a computer copies files. Sometimes the copy is from floppy to hard drive, sometimes the reverse, sometimes it is floppy to floppy, and often it is hard drive to another spot on the same hard drive. Usually, the job is fairly simple. Copying a single file from your hard drive to a floppy so you can share it with a friend takes only a moment, and it is not really conceptually hard. You put a blank floppy in your A: drive, log on to your hard drive in the subdirectory where the file exists, and type the command COPY MYGAME.EXE A:, whereupon your computer happily complies. But what if things are more complex? Suppose you have a directory containing one executable file (MYGAME.EXE) and over 70 little support files (SAVEGAME.001 .. SAVEGAME.073), and you want to copy all of them to a floppy. Is the COPY command the best way? Nope.

A much more efficient (and much quicker) way is to use XCOPY. XCOPY is not an internal command (embedded inside COMMAND.COM), so you need a copy of the program to run it. The good news is that it comes with DOS, and has been around since at least version 3.3, so you probably have it even if you don't know it. In MS DOS Version 6.22, it is XCOPY.EXE, 16,390 bytes. Take a look now. I bet it is in your DOS subdirectory.

Here is why is XCOPY more efficient and quicker than COPY, using our example above. If you give the command COPY *.* A:, DOS will read a file, then copy it, then read another file, then copy it, then read another file, then copy it .. until all 70 odd files have been processed. It does the job, but one file at a time. On the other hand, if you give the command XCOPY *.* A:, DOS will first read all the files into memory, then copy them to the floppy in one fell swoop. If it runs out of memory space when reading, it will copy what it has, then read more in. There is a BIG difference in speed when dealing with large numbers of little files, especially when copying from one spot to another on your hard drive. XCOPY is a little less efficient when copying to floppies, because disk access is what takes most of the time, no matter what method you are using to copy.

But wait, XCOPY is even more handy. If COPY is a tool like a pocket knife, XCOPY is like a big Swiss Army Knife with lots of gadgets on it. My friend, neighbor and fellow ham (WB9LNL) Tom Oehler was over the other day. He purchased a batch of arcade games for his daughter. The manufacturer had thoughtfully provided the games on both 5¼ inch, 360k floppies, and on a single 3½ inch, 1.44M floppy. Unfortunately, Tom's daughter had a machine with only 3½ inch, 720k floppies (Murphy's Law strikes again!). I installed the games on my hard drive (they were compressed on the floppies), and the subdirectory structure looked something like this (fictitious names):

```
C:\ ——— ARCADE ——— BASKETBALL
                             TENNIS
                             PING PONG
                             PUZZLES
```

ARCADE was empty, but each of the four subdirectories under it contained files. Fortunately, none of the four contained more than 360k in files, so we knew two 720k floppies would do it. We wanted to preserve the same subdirectory structure on the floppies, for reasons not pertinent here. I moved to the BASKETBALL subdirectory on my hard drive, put a clean 720k floppy in the B: drive,

ODDS AND ENDS.....

Dave Recommends VHS

David Grant works at a Radio Shack store in Madison. The video cassette recorders he sells are all VHS, and he chuckles about his amateur radio call being N9VHS. "Yes, it was just another call randomly assigned by the FCC," he says.

Dave heard of someone in the area who took and passed an Amateur Radio exam on January 14th. Next, the examiner immediately sent the report to ARRL VEC Headquarters by Federal Express. Finally, the ARRL VEC sent its exam report to the FCC by electronic filing. The new

and gave the following command:

```
XCOPY *.* B:\BASKETBALL
```

XCOPY came back with the following message, shown exactly as it appeared:

```
Does BASKETBALL specify a file name
or directory name on the target
(F = file, D = directory)?
```

I touched the letter D, whereupon XCOPY created the BASKETBALL subdirectory on B:, read all the files into memory, and copied them to BASKETBALL in one shot. Pretty nifty.

Then I moved to the TENNIS subdirectory, and repeated the command:

```
XCOPY *.* B:\TENNIS.
```

The message appeared again, and I pressed D

license arrived with the fresh call sign N9ZWZ on January 28th, within two weeks. Could the phonetics be: *Nifty Ninth Zone Waits Zero...* or almost no waiting? An improvement for license turn around time, there's no Beta about it.

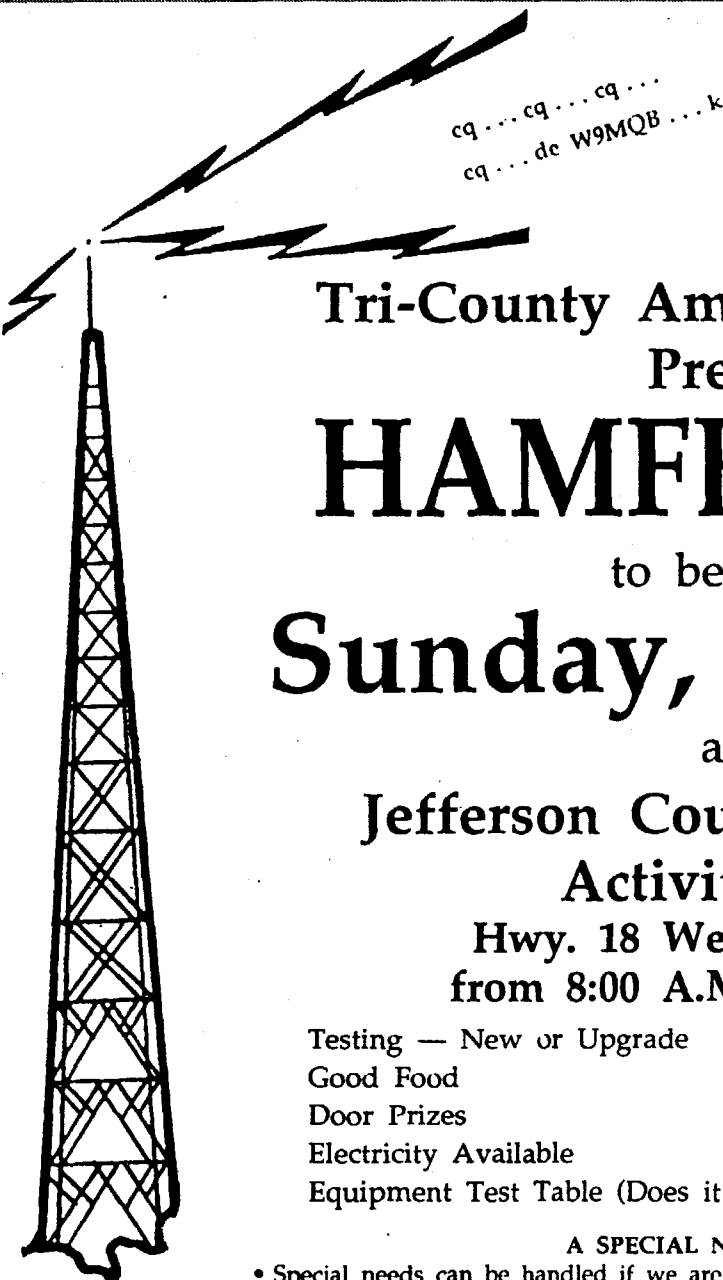
Hey, That's Neat!

What is the most unusual electronic item you've seen on a person at a hamfest? How about the fellow wearing a bottle-cap name badge with blinking red LED? Or the tall guy who has a yellow hard hat: rubber-duckie 2-meter antenna fastened on top, a microphone clipped on the front and ear-phones dangling on the sides? Write to the BSSS to share your humorous story or gadget discovery and make us laugh. Pu-lease! - By Richard Regent, K9GDF

again. After a bit of whirring, that floppy contained files in the first two of four subdirectories. After changing floppies and using XCOPY twice more, our job was done.

There is not room here to unfold all the gadgets from the Swiss Army Knife, but there are a lot more. There are 8 separate "switches" you can invoke when giving the command, including for example, copying only files dated on or after a specified date, prompt for confirmation before copying each file, and others. Basically, XCOPY is a time-saver that will make you more efficient. Dig out your DOS book, and take a look. Or better yet, give the command: XCOPY /? and it will tell you what it can do, directly on your screen. Slick. Happy computing, and 73 for now. □

Reprinted, by permission, from the ORC Newsletter, Ozaukee Radio Club, P.O. Box 13, Port Washington, Wisconsin 53074 (Ray Meyer, N9PBY, Editor). □



Tri-County Amateur Radio Club
Presents:
HAMFEST 1995
to be held on
Sunday, March 19
at the
**Jefferson County Fairgrounds
Activity Center**
Hwy. 18 West, Jefferson, WI
from 8:00 A.M. until 2:00 P.M.

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- A SPECIAL NOTE TO VENDORS:
- Special needs can be handled if we are contacted in advance.
 - Vendors will be admitted at 7 a.m. — OTHERS AT 8 A.M. ONLY.
 - Vendors — Please unload at northwest side door.
 - Vendors only parking will be provided for unloading.

(PLEASE...NO EARLY SALES — Thank you.)

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213 Frederick, Fort Atkinson, WI 53538
414-563-6381 evenings

FCC Releases "Vanity" Call Sign Order

Continued from front page

Pittsburgh, Pennsylvania. They will be processed "in the order they are received at the processor's work station."

Applicants will be permitted to request call signs reflecting their own or other call sign regions.

Except for a close relative applying for a deceased licensee's call sign, or a club station trustee applying with the written consent of a close relative of a deceased licensee, a vacated call sign will not be assignable for a two-year waiting period.

For clubs, persons not already holding a club station license, as trustee, must first apply for and receive a license before filing an application for a vanity call sign. FCC will begin accepting applications for new club and military recreation station licenses on the effective date, March 24.

The FCC set aside the one-by-one call sign block until the matter of assignment of these calls could be addressed in a separate proceeding. The ARRL had requested allowance for assignment of one-by-one call signs to special event stations of national significance.

A 70 dollar fee (7 dollar annual fee, for a ten-year license term) will have to be paid when requesting a new or renewed vanity call sign. The ARRL continues to work for legislation that will enable the Commission to charge a one-time fee.

Copies of the Report and Order are available from League Headquarters (225 Main Street, Newington, CT 06111, SASE please). Details to follow in *QST*.

- ARRL Bulletin ARLB011, 02/01/95
(Thanks for additional information to Norm Bliss, WA1CCQ, ARRL HQ)

South-Central Wisconsin Skywarn Gearing up for 1995

Continued from page 4

off trees at about 58 MPH, and that is considered severe.

- The SKYWARN Net will not accept "hearsay" traffic from stations monitoring law enforcement frequencies. These agencies have their own communications channels to the National Weather Service and are able to deliver their own observations. The Net DOES encourage relays of amateur traffic originating from stations who cannot access the repeater.

- When the net is busy, don't slow things down by passing non-severe traffic. "The sky is dark here" is *not* helpful. "I see a funnel cloud" is *definitely* appropriate.

- Remember that the operators and meteorologists monitoring at Sullivan may not be familiar with local landmarks. An observation of a funnel "near East Towne Mall" may not mean much to Sullivan, but "near the intersection of I-90 and Highway 151 is more descriptive.

- NWS is interested in damage reports and heavy rainfall totals from those with rain gauges. The Doppler radar at Sullivan can estimate rainfalls, but actual rainfall readings can help correlate their estimates. Even if your report is not current, offer it to the net when there is a gap in traffic.

- Finally, the SKYWARN Net is monitored by law enforcement, emergency government agencies,

Worked All Wisconsin Counties Award

WAWC Available Beginning with 1995 Wisconsin QSO Party

In conjunction with the 1995 Wisconsin QSO Party, scheduled to begin at 1800Z March 12, 1995, the West Allis Radio Amateur Club, Inc. wishes to announce the sponsorship of a **WORKED ALL WISCONSIN COUNTIES** Award. Only QSOs made after 1800Z March 12, 1995, are considered valid for the purposes of this Award. *This Award will not end with the conclusion of the 1995 WQP, but will be a continuing award.*

This Award will be available to any licensed Amateur Radio Operator who submits a WAWC Application Form, listing CONFIRMED two-way QSOs with all of Wisconsin's 72 Counties. The WAWC Application Form must be signed by the applicant, and verified by one other licensed Amateur who is not related to the applicant. The West Allis RAC reserves the right to also request that

QSLs be sent in for inspection, if any question is raised regarding confirmed QSO's.

Special endorsements for single band and/or single mode will be available if requested when submitting the WAWC Application Form.

The rules and application form for this award are available from the West Allis Radio Amateur Club, P. O. Box 1072, Milwaukee, WI 53201. The application must show the call, city and county of each station worked, date, mode and band, all arranged in alphabetical order by county. The application form, which is set up to provide that, must be used. All correspondence regarding the WAWC Award should be addressed to the Post Office Box. The rules are printed below. The application form must be ordered from WARAC at their address above. □

WORKED ALL WISCONSIN COUNTIES AWARD (WAWC)

Sponsored by West Allis Radio Amateur Club, Inc.
P. O. Box 1072, Milwaukee, WI 53201

RULES OF ELIGIBILITY

BASIC AWARD: The basic WAWC award certificate will be issued to any licensed Amateur Radio operator who submits a WAWC Application Form listing CONFIRMED, two-way QSOs with all of Wisconsin's 72 counties. Only QSOs made after 1800Z March 12, 1995, are considered valid for the purposes of this award. The WAWC Application Form must be signed by the applicant and verified by one other licensed Amateur who is not related to the applicant.

ENDORSEMENTS: Special endorsements are available for single band and/or single mode when requested with the application for the original award. Application and verification requirements for endorsements are the same as those for the original award, as stated in the BASIC AWARD paragraph above.

ENTRY FORMAT: The application for the award must show the call, city and county of each station worked, date, mode and band, arranged in alphabetical order by county.

RIGHTS OF SPONSOR: The sponsor reserves the right to request that QSLs be sent in for inspection if any question is raised regarding confirmed QSOs. Decisions of the sponsor's WAWC Committee are final.

ENTRIES: Address all applications and correspondence regarding the WAWC award to:

West Allis Radio Amateur Club, Inc.
P. O. Box 1072
Milwaukee, WI 53201

news media, and others. Maintain a professional attitude when checking in. "Amateur" should describe the name of our radio service, not our performance. When necessary, SKYWARN-related announcements will be made to the ham community on three regular nets. They are the CWRA Swap Net (Sundays at 10 a.m. on the 146.88 repeater), the Dane County ARES Net (Wednesdays at 8:30 p.m. on the 146.94 repeater in Madison), and the MARA Net (Wednesdays at 9:00 p.m. on the 147.15 repeater in Madison).

The National Weather Service has made it known that amateurs' severe weather observations on the SKYWARN Net have assisted them greatly in the past. I want to thank those that have helped in past years and hope that our efforts in 1995 will again save lives. □

ODDS AND ENDS.....

RTTY QSY From QRP

An observant Wisconsin operator told me that in the January, 1995, RTTY Contest the 40 meter band suggested frequency was 7040 kHz, the same as the international QRP frequency. He suggested that the contest be at or above 7050 kHz in the future.

If you found this to be a problem, you might want to contact the contest committee with your recommendations too, but don't use your QRP voice.

- Richard R. Regent, K9GDF

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Help with History

The Antique Wireless Association is building a replica of the famous 1BCG transmitter used in the 1921 ARRL Transatlantic Tests -- the first to send a complete message across the Atlantic.

The AWA hopes to have the transmitter operating sometime this fall and to be able to work amateurs who participated in the 1921 Tests.

The AWA knows of only one licensed amateur (other than 1BCG) still active who was heard by Paul Godley, in England -- Jim Russell, now W8BU, then 8BU. Another participant, Bob Morris, W2LV, also is still active. The AWA would like to hear from other amateurs who might have heard 1BCG during the Tests, including amateurs in the US. 1BCG was operated from East Greenwich, Connecticut, by members of the pioneering Radio Club of America.

1BCG was on 230 meters in 1921 -- the AWA, using the call sign W2AN, will put the replica station on 160 meters. The transmitter will be identical in all respects except that a 204 vacuum tube, vintage 1923 or 1924, will be used.

Details of the ARRL Transatlantic Tests appeared in February 1922 QST and have been reprinted in several ARRL publications.

If you can help, contact AWA Curator Bruce Kelley, W2ICE, 59 Main Street, Bloomfield, NY 14469.

- ARRL Special Bulletin ARLX012, 2/10/95

FCC Issued Call Sign Update

The following is a list of the FCC's most recently issued call signs as of February 1.

District	Group A Extra	Group B Advanced	Group C Tech/Gen	Group D Novice
0	AA0VS	KG0TJ	++	KB0QVG
1	AA1MB	KD1ZH	N1UFI	KB1BNN
2	AA2VU	KG2AP	++	KB2TLZ
3	AA3KC	KE3RA	N3UIZ	KB3BGK
4	AE4CX	KS4MX	++	KE4VDD
5	AC5AH	KK5JD	++	KC5MKA
6	AC6JX	KO6PF	++	KE6QOX
7	AE7HT	KJ7JB	++	KC7IQZ
8	AA8SA	KG8OO	++	KB8WQX
9	AA9NS	KG9AJ	N9ZZZ	KB9JCR
N.				
Mariana	KH0Q	++	KH0DQ	++
Guam	WH2K	AH2CZ	KH2NB	++
Midway	++	AH4AA	KH4AG	WH4AAH
Hawaii	++	AH6NU	++	WH6CSL
Amer.				
Samoa	AH8M	AH8AH	KH8CF	WH8ABB
Alaska	++	AL7PW	++	WL7CKG
Virgin	WP2Q	KP2CD	NP2HY	WP2AHV
Puerto Rico	++	KP4YM	++	WP4MWC

++ All call signs in this group have been issued in this area.

- ARRL Bulletin ARLB016, 2/16/95

PRB-1 Takes First Steps to State Law

PRB-1, the Federal Communications Doctrine of Federal Preemption, already codified as law in at least two other states, has begun its journey into the Wisconsin Statehouse. It is currently being analyzed by an attorney, which is one part of the trip. Several Wisconsin legislators are working on what is expected to become a bill to be introduced in the House of Representatives.

There are many steps along the way, and we will make every effort to keep our readers up to date on the progress of the legislation. Our thanks to hard-working ARRL Wisconsin Section State Government Liaison Verne Teske, W9RYA, of Oak Creek, for this information. □

RFI Changes Proposed

The FCC has proposed to permit manufacturers and suppliers of computers and computer peripherals to market their equipment without having to apply for equipment certification and await FCC approval, in ET Docket 95-19.

These devices now must be FCC-certified to ensure that they do not cause interference to radio services, including amateur.

Certification requires that all measurement data and a detailed description of the product be submitted to the Commission's laboratory for review and approval.

The certification process can take 35 days or more, the FCC said, and eliminating the wait could save the computer industry some 250 million dollars a year, the industry has said. The FCC called the current regulations "particularly burdensome for small manufacturers" and said its proposed new authorization procedure would "align" FCC requirements for personal computers with those "used successfully in other parts of the world."

Under the proposed new procedure, FCC authorization would be replaced by a process based on a manufacturer's or supplier's Declaration of Conformity (DoC). The Commission also has proposed the option of permitting personal computer compliance to be based on tests and DoCs of individual components, without further testing of completed assemblies.

- ARRL Bulletin ARLB017, 2/16/95

23rd
Annual

MADISON SWAPFEST & COMPUTER FAIR

Madison, WI

Sponsored by Madison Area Repeater Association - WB9AER - Madison, WI

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PLEASE SEND _____ TICKETS AT \$4.00 Per Person

PLEASE RESERVE _____ TABLES AT \$10.00 Each - Table Fee Does Not Include Admission Fee.

TOTAL AMOUNT ENCLOSED \$ _____

If there are no more tables available do you still wish to purchase tickets? YES() NO()

A.C. Outlets available to Booth Exhibitors ONLY.

PLEASE SEND S.A.S.E.

Make Checks Payable to MARA - Mail to MARA, Box 8890, Madison, WI 53708-8890.

Tickets and Table Reservations Confirmed by Return Mail.

RESERVATIONS NOT ACCEPTED AFTER MARCH 20, 1995.

Correspondence

...from our readers



Hoffman Estates, IL 60195
February 14, 1995

Dear Jim:

I was just getting things ready here for the 1995 WI QSO Party when I could not believe my eyes! The front cover of the newspaper says:

1995 Wisconsin QSO Party
Sunday, March 15, 1995 Local Time

Well, I immediately grabbed for my planner and found out that the 15th down here in IL is really on Wednesday but then reading the above front page herald, I noticed it said 1995 Local Time. Now I was confused; is the contest on Wednesday, March 15th or Sunday, March 13th? But wait, does it start at 1995 local time or maybe 1800Z UTC?

Of course I am just kidding, but it really caught my eye. Guess things get goofy now and then. I should know, I am the editor of the Motorola ARC newsletter down here in Schaumburg, IL. See you in the contest.

73,

Don Backys, K9UQN

Don, things don't get goofy just now and then up here. "Goofy" is a constant. And, with that one, we even did it in spot color. The info was correct on pages seven and eight, of course. Thanks for writing and see you in the WQP!

- Jim

Changes to 902-MHz Band

The FCC has adopted rules for the future licensing and continued development of a number of services, including Amateur Radio, in the 902 to 928 MHz band. The new rules set standards for what had previously been called automatic vehicle monitoring (AVM) systems but which the Commission now refers to as the Location and Monitoring Service (LMS).

Amateurs will continue to have access to 902 to 928 MHz, on a secondary basis, to the new LMS systems; to industrial, scientific, and medical (ISM) systems; and to government users. Unlicensed low power "Part 15" users are on a secondary basis to all the above, including amateurs.

The FCC said it would adopt a plan to afford both amateurs and Part 15 users "a greater degree of protection to their operations" (from interference from other services). It also said it would clarify what constitutes harmful interference to LMS licensees by Part 15 devices and by amateurs. "Operational restrictions should be imposed to maintain the coexistence of the many varied users of the band," the Commission said.

The FCC also said it would use a "negative definition" to clearly establish the parameters under which amateurs and Part 15 users may operate without risk of being considered sources of interference to services with a higher allocation status.

In a petition in January 1994 the ARRL requested primary allocations for amateurs at 902 to 904 and 912 to 918 MHz. The FCC accepted this petition as comments in its AVM proceeding but denied it, saying that insufficient "quantitative support" for the petition had been shown. More information was in March 1994 QST, page 94. (FCC report and order in PR Docket 93-61).

- ARLB013, 2/9/95

Allocations at 2400 MHz

The FCC has reallocated 50 MHz of spectrum, including 2390 to 2400 and 2402 to 2417 MHz, from government use. The Commission made these segments available for unlicensed, low-power devices including wireless LANs. At the same time, the FCC elevated Amateur Radio's status in those segments from secondary to primary. This means that amateurs will not have to protect any other user of those bands, and amateur stations are entitled to protection against interference.

The Commission made available 2390 to 2400 MHz for use by unlicensed Personal Communications Services (PCS), and provided for continued use of 2402 to 2417 MHz by traditional unlicensed "part 15" electronic devices.

The unlicensed PCS devices, which include wireless networking and data transfer devices, will be governed by the same rules that apply to PCS devices operating in the 1910 to 1920 MHz band.

The FCC said it believes these allocations will provide for the continued development and implementation of a new generation of advanced communication devices and services, including a new "on ramp" to the information superhighway.

The remainder of the 50 MHz of allocated spectrum is at 4660 to 4685 MHz, to fixed and mobile services, an allocation not directly affecting amateurs. (action in ET Docket 94-32.)

- ARRL Bulletin ARLB012, 2/7/95

ODDS AND ENDS.....

Hello, Is Anyone In There?

Newcomers may try anything to get into Amateur Radio. K9IZV of the Milwaukee Repeater Club (146.91 MHz) tells us about one person who wrote to the address of the building of their repeater tower asking for information. Warren quips, "Whatever it takes!"

- Richard R. Regent
5003 South 26th Street
Milwaukee, WI 53221

It was a Snowy Winter Evening in Racine.. But There was a Fox to be Found

By Dave Voss, WB9USI

3333 Standish Lane
Racine, WI 53405

Light snow was falling. The hams were preparing for the evening's hunt on February 3, 1995.

The fox was nestled in an old building complex called Kemper Center, a county park on the North side of downtown Kenosha, Wisconsin. Picture a castle with an alcove in the middle the winter waves of Lake Michigan lapping the breakwater. Accessible by car? Yes! But not wanting to make it look too easy, the hams in the vehicle with the hidden transmitter and the grounds keepers at Kemper Center got out the brooms and "doctored" the parking lot and driveway to insure no tire tracks or tell tale signs of use were visible.

Helpful to the fox were two doings going on at the Center in two locations adding lots of cars to the parking lot. The hunt started at 7:30 p.m. from Regency Mall located at Hwys 31 and 11 in Racine.

Some hunters checked out the U.W. Parkside complex, but decided the signals were still south of there. Another car full of hunters checked out Carthage College. Surely the signals were coming from there. A quick check at the readings proved otherwise but.. now there were vehicles behind them, and they were locked into a parking lot for a few minutes that seemed like an eternity.

The hunters all arrived at the parking lot and were checking vigorously. The antennas were turning, the meters were peaked, the nulls were found and the LED's were quivering. But where was that transmitter? No matter where you drove, the equipment kept pointing to the middle of the building. It was time to get out and take a closer

look. Dave, KC9NG, was the first to discover there was an opening to the center of the venerable old place. What? That wasn't one of the kids from the teenage dance? Oh, no! It was Joe, KB9HSJ, in hot pursuit of the signal. He beat out Alex, N9RGX, in a foot race for 2nd place. Dennis, WB9SVM, was the last one to find it, but all were within a couple of minutes from being first. The hidden transmitter was located in 35 minutes.

Pizza after the hunt was at Luigie's in Kenosha, a short distance from the hidden fox, where everyone ate and told their tales of a very fun hunt!

The FOX - WB9ZKY, WB9ZKX, WS9T, and WB9USI.

HOW DID THEY PLACE?

1st - KA9OIL, KC9NG, WB9LST
2nd - KB9HSJ, N9QXM, N9ZWN
3rd - KA9CXA, N9JYJ, N9RGX
4th - WB9SVM, N9DLZ, N9ZOW

Come join us for a fun time! The fox hunts are every four weeks on Friday nights. They start from REGENCY MALL at Highways 11 and 31 in Racine in the West parking lot near J.C. Penny. The start time is 7:30 p.m., but we would like you there by 7:20 p.m. The hunt frequency will be given to you when you arrive. Talk-in is on 147.27. The hunt is over when all hunters find the fox or at 9:00 p.m., whichever comes first. The restaurant location will be given when you find the fox or at 9 p.m. on the hunt frequency and on 147.27.

Next hunts are: Friday, March 3; Friday, March 31; April 28; and May 26. For more info contact anyone on 147.27.

- 73 de Dave WB9USI/Home BBS K9RRS

AHSTC and Brown County ARES Swapfest



Ham Radio & Computer Fleamarket

8:00 AM- 12:00 PM, April 8, 1995

At Ashwaubenon High School, 2391 South Ridge Road, Green Bay, WI



Talk in on 147.075+ (PL 107.2Hz)

Admission : \$3.00 in advance or
\$4.00 at the door

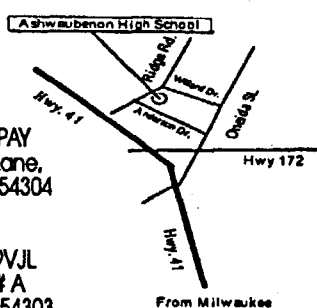
4 foot tables : \$4.00 in advance or
\$5.00 at the door



Vendor Setup on April 7, 7:00PM - 10:00 PM

Contacts:
Chad Stiles, N9PAY
2171 Barbary Lane,
Green Bay, WI 54304
(414) 494-2936

Lisa Kolbusz, N9VJL
520 Columbia # A
Green Bay, WI 54303
(414) 497-1807



Directions... From Hwy. 41 North or South, take Onelda Street ext. Turn east. towards Exel Inn, continue on Onelda until Andersen Drive. Turn left at stoplight, on to Andersen, and continue past football field to Ashwaubenon High School on right.

VE Testing:

Preregistration 8:00 AM, Testing starts

at 9:00 AM Don't forget:

1. Original License
2. Photocopy of License
3. Photo ID

For power, bring your own 50 ft extension cord!!!

Pre-registration Form

4 foot table(s) _____ @ \$ 4.00 = \$ _____

Admission ticket(s) _____ @ \$ 3.00 = \$ _____

Total enclosed with SASE = \$ _____

Name _____

Address _____

City _____

State _____

Zip _____

Call Sign _____

Phone () _____

Make checks payable to Ashwaubenon High School Tech Club,
2391 South Ridge Road, Green Bay, WI, 54304

PARTICIPATING CLUBS AND ORGANIZATIONS

Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P. O. Box 401 • Abbotsford, WI 54405-0401

MEETING ANNOUNCEMENT

The next regular meeting will be held on Thursday, March 2nd at 7 p.m. in the Emergency Government meeting room located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. Talk-in on the 147.15 Medford repeater (+600 kHz) or 146.52 MHz simplex.

EXCERPTS FROM MINUTES OF FEBRUARY 2, 1995 MEETING

Meeting was called to order by President N9GEN. Present were NZ9U, KA9WDX, WD9FWP, AA9LE, N9UBR, N9UBQ, N9GEN and KB9BLV.

There has still been no reply yet from either Northcentral Technical College or from Northway Communications to our correspondence to them regarding concerns about sharing of an antenna between our 2-meter repeater at Medford and a radio paging service.

Taylor County Office of Emergency Government Coordinator Roland Sacho discussed some issues related to the National Weather Service and the proposed enhanced 911 telephone system for Taylor County.

The subject of the possibility of linking our 147.15 repeater to the 145.45 repeater

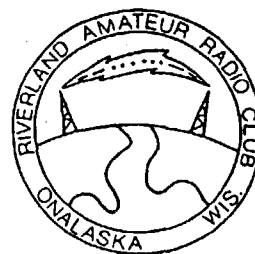
at Merrill was discussed. The Merrill group has apparently already been experimenting with such a link. The majority of the membership present at the meeting felt that there needed to be more discussion on the implications of this move before making any final decision, and that all present members of the club should be involved in any final decision made on something of this magnitude. The subject was tabled until a future meeting.

The subject of the possibility of forming a "joint" VE team with the present group operating out of Merrill was discussed. As an alternative to having one team, it was mentioned that our club's Volunteer Examiners could travel to Merrill to assist with their exam sessions, and their examiners could come to Medford to assist us with our sessions. Someone suggested limiting traveling to other VE test sessions to a 25-mile radius from Medford, and it was also suggested that our club already has enough Volunteer Examiners to conduct its own exam sessions. The matter was tabled for now.

The need for additional net control stations for the weekly Taylor County ARES net on the Medford repeater was discussed.

There was some discussion concerning the Amateur Radio communications that were provided for the annual Perkinstown "P-Town Tramp" snowshoe races held in January.

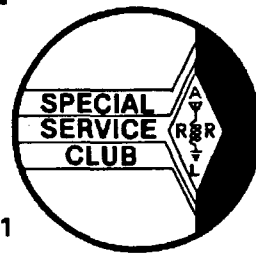
Meeting was adjourned. □



Riverland Amateur Radio Club

Tom O'Brien, WB9BJQ
Secretary

Club mail address: P.O. Box 621
Onalaska, WI 54650



MEETING MINUTES FEBRUARY 7, 1995

The meeting was called to order at 7:00 p.m. by Feroz, WU9N.

Dan, N9LXA, was a guest from Viroqua.

Minutes of the January meeting were read and approved.

The treasurer's report was approved as read. Mark, N9UNW, explained the repeater repair costs and said that a detailed report would be available at the next meeting.

Program committee chairman, Kent, W9LZQ, informed us that next month's program would be given by the National Weather Service on the new Doppler radar system.

Swap Fest: Dick, K0JYB, reported that there was a possibility that WANA would hold its meeting during the swap fest. Cost for the room would be the responsibility of WANA. A discussion of the possibility of holding an examination session during the fest was also discussed. Details will be forthcoming.

Repeater: Duane, W9HWQ, reported that everything seems to be working fine. Due to problem with coax connectors, Van, WA9FIO, replaced several coaxial cables. A formal thank you was made to Walt, AA9AW, for the donation of some cable to the repeater project. Feroz, WU9N, made several remarks about repeater etiquette.

440 Repeater: Dan, N9PZC, said the

committee was still looking for parts. It was announced that there has been an anonymous gift of \$50 to the 440 fund.

ARES: Kent, W9LZQ, announced Skywarn training will be March 18, 1995 in Cowley Hall at UWL at 10:00 a.m. On March 11, 1995 there will be a Red Cross emergency exercise.

Field Day: As of now the Jostad site is the planned location for Field Day, but alternate locations are being investigated, according to Bill, KE9XQ. Field Day this year will be in a relaxed format.

OLD BUSINESS

The annual dinner at NOB Hill was a success. Walt, AA9AW, was awarded the Ham of the Year award.

NEW BUSINESS

A discussion of Ham classes for 1995 was discussed. No decision was reached but Bill, KE9XQ, suggested further investigation.

Motion was made and seconded to extend the meeting.

Feroz, WU9N, discussed the possibility of forming an XYL group for the purpose of furthering the interest in Ham Radio by the XYLs. Judy, N9LGV, agreed to investigate the possibility.

Volunteers were asked for to help organize Amateur Radio Weekend in September.

Motion to adjourn was made and seconded at 8:00 p.m. □

OFFICIAL PUBLICATION OF CENTRAL WISCONSIN RADIO AMATEURS, LTD.

At University of Wisconsin, Stevens Point

WATTS SNOO

AMATEUR RADIO
CWRA

WB9QFW 2 Meter Repeater 146.07.67 and Club Station

P. O. Box 923 • Plover, WI 54467

MEETING MINUTES FEBRUARY 8, 1995

President Lori Jasper, KA9ZGD, called our meeting to order at 7:35 p.m. The program for this month's meeting was a video tape entitled "VP8SSI - The South Sandwich Saga" which was about the South Sandwich Island DXPEDITION. A group of amateurs took on the harsh conditions of the Antarctic, where they made 40,000 contacts on SSB, CW and RTTY on the South Sandwich Island. On South Georgia Island, they were able to make 6,000 contacts on CW in a 48 hour period. Considering what they had to endure, this was a remarkable accomplishment.

After the program were the introductions and a welcome to Leone Sirna, KB8-VBR, from Cleveland, Ohio. He was in Stevens Point on business and attended our meeting.

Mary Eiden, KA9FAS, apologized for not remembering to have the meeting notice put in the Stevens Point Journal. The usual correspondence was read and/or presented to the club. The minutes were approved as printed in Watts Snoo in the BSSS. Joe Larson, N9JW, gave his report and provided some left over materials he passed out at the Novice and Technician

classes. Most of the items were brochures for radio products and Amateur Dealer Catalogs. He announced that if club members need to renew their QST, they should send it through the club. If this is done, the club can subtract two dollars off the price and keep it. This is a benefit to clubs, so remember to renew this way! The treasurer's report was read and approved.

Scott Jasper, NE9U, activities manager, gave a report on the banquet last month. Everyone had a great time, there was great food and all enjoyed our guest speaker, Bob Baird, W9NN. Bob received a round of applause from the group.

Jim Tuszka, N9MEB, reported that the 67 RF receiver is dead. He has the old 985 machine and he called Yaesu. He has the parts, but the crystals will be another week yet. He will then take the old 67 transmitter/receiver and will work on it. Bob Baird, W9NN, reported that the new 985 machine is working well. He said that there seems to be more and more people using the machine that are coming through the area.

Lori, KA9ZGD, reported that she did get feedback from the surveys that were

Washington County Amateur Radio Club

Tom Waldschmidt, N9LZW,
Secretary
465 Elder Lane
Allenton, WI 53002-9799



MONTHLY MEMBERSHIP MEETING • FEBRUARY 1, 1995

The February membership meeting of the Washington County Amateur Radio Club was called to order at 7:30 p.m. on Thursday, February 9, 1994 by President Walt Gossfeld, N9LLS, with 25 members present.

The Treasurer's report was read by KA9RNU. A motion by W9NGT to approve the Treasurer's report was seconded by N9NBN. Motion Carried.

The minutes of the Annual meeting were read by N9LZW. The minutes were amended to reflect the officer's titles that were in effect at the time of the elections. A motion to approve the minutes as amended was made by KY9P and seconded by N9PCG.

Don, K9GR, gave a report on the status of the club's repeater. We are in need of some modules to modify the transmitter and receiver sections of this MICOR base station.

Mike, N9NBN, presented awards to those that were not present at the Club's January Banquet. Receiving awards were N9KIK for his efforts in program coordination and Elaine Gossfeld for her support of club activities, recognized as XYL of the year.

An ARES report was given by Tom, N9LZW.

The National traffic system is looking for more formal traffic.

Scholarships are available from the Foundation for Amateur Radio.

Orders were taken for club jackets,

sweatshirts, and T-shirts.

OLD BUSINESS

A proposed constitutional amendment received its first reading at the January meeting. A vote on the amendment was not possible because a quorum was not present. Twenty-two members were present and 28.5 would be required. The amendment, if passed, would have reduced the number required for a quorum from 3/4 to 2/3 of the eligible voting membership.

NEW BUSINESS

Tom, WD9GGA, suggested that the club consider a club license and using this callsign for Field Day operations and on the repeater. Maury, W9MQD, mentioned that there is a recognition factor with the callsign on the repeater, and that there is a need to have an incentive for someone to assume the responsibility of being the repeater trustee.

Dave, KA9RNU, explained the problems he has faced between our membership renewal date and the Badger State Smoke Signal subscription due date. Club membership is renewed in January, whereas, the subscription payment is due in December. Dave will check with the Smoke Signals' staff to see what arrangements can be made.

There was a discussion regarding the necessity of taking the Smoke Signals

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Central Wisconsin Radio Amateurs

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sent out with banquet notices. She said that one of the things that seemed to be pretty popular were classes other than novice classes. Joe, N9JW, is planning on starting a General Class. He sent around a sign-up sheet to see how many people were interested. He is planning on starting the classes the first week of April. He will make a decision by the next club meeting whether or not the classes will take place based on how many people sign up for it. He has the books for the class. They will be sold for \$12.00 (the cover price). If there is no class he stated that he can get the book for anyone who wants it. Code is still an open question as to whether or not it will be taught.

He also announced that all the licenses for the last class arrived in less than a month. He again read the list of hams who passed their exams at the December exam session. Joe also got a notice from the ARRL that they will begin full-time electronic filing. All VE's were instructed that they are to forward all 610 information by E-Mail to the FCC as of January 13, 1995. They expect that this full electronic filing will eventually result in FCC processing time as short as two to three days. For now, people should expect to have it take five days. After three weeks, if you have not received anything, they should be called. Effective with the new rules, applicants can call the FCC to determine whether their new license has been granted.

ed. If it has, they may immediately begin using the new privileges with their FCC issued call sign.

ARRL VEC test session processing time is average one to two days.

Art Wysocki, N9BCA, reported that he would like to handle the raffle the same as last year with regard to having cash prizes. He would like to give a \$100.00 door prize for admission. He is having admission tickets printed, but he has not received them yet. He said they will be regular admission tickets and not theater tickets. He said we have not had a door prize for the last couple of years so he would like to do this if the club agrees to it. Art moved that we have a \$100.00 door prize for the swapfest. Joe, N9JW, seconded, the motion passed giving Art the okay to have the door prize. Bob, W9NN, asked Art how he was going to handle tailgaters. Art said he is not sure yet. He is still working on it at this time.

Scott, NE9U, announced that the Wisconsin QSO Party is going to be on March 12, 1995 from 12 noon to 7 p.m. He said there has been talk of putting the club station on for some type of activity, and this looked like a good of time as any. He said what he like to do is have someone take charge of activating the club station for seven hours that Sunday. Maybe we could get two or three or as many as we can down there to put the club on and give out Portage County. He said if either he himself, Dan Schobert, W9-MFG, or Frank, W9BCC, do not get on, Portage County isn't represented. So if we get the club station on, it might be something of a rare county to give out. If any one is interested, please let him know. He and Art, N9BCA, are going out and activating WB9QFW mobile from some of the

rare counties around north central Wisconsin. Anyone wanting to enter from their home station should enter under the club.

Ray Dix, KF9BG, is taking shirt orders for the club. Plover Trophy now has the capability of ordering shirts. The cost would be \$7.00, \$9.00 for the larger sizes and an additional \$2.00 for your name to be put on the shirt. However, he said they make name tags with plastic that you can pin on so you wouldn't have to have your name put on each shirt if you ordered more than one. It will be brought up again at the March meeting. If you would like to order a shirt, there is a sign up sheet that will be at the next meeting.

Lori, KA9ZGD, said that Rick Miller, NI9P, has resigned his position as Emergency Coordinator for Portage County. She ask if anyone would be interested in taking on this position. Dan Kasten, N9-VHU, a new club member, said he is a Skywarn spotter for the National Weather Service, and he said he would like to get involved and has agreed to take the position. Let's give him our full support as our new EC.

Lori, KA9ZGD, announced that she has numerous electronic items that will be available to anyone down at the club station. Frank Guth, W9BCC, received a notice that Richard Drew, K9PJB, of our club, will be listed in the 1995 edition of "Who's Who in America." He would like to see Dick recognized for this achievement. Mary, KA9FAS, will call the *Stevens Point Journal* and see if we can get this printed. She said she will also call Dick and get his permission to have it put in the Stevens Point paper.

The meeting adjourned at 8:40 p.m.

The next meeting will be held Wednesday, March 8, 1995 at 7:30 p.m., Room

A-109 in the UWSP Science Building.

At the time this was sent, a program for next month had not been announced. With the severe weather season approaching us next month, perhaps we will have a program along these lines.

ATTENDANCE

Joe Larson	N9JW
Brian Asplin	N9MZI
Gordon Miller	KE9IA
Leone Sirna	KB8VBR
Frank Guth	W9BCC
Wayne Johnson	K9MIF
Bob Baird	W9NN
Scott Jasper	NE9U
Richard Hoppe	N9SQW
Dave Olson	N9JQU
Dan Kasten	N9VHU
Al Mallek	N9WBS
Mary Eiden	KA9FAS
Deb Kroll	N9EIL
Gene Kroll	KE9MA
Mike Eiden	WD9JID
Ray Dix	KF9BG
Joann Dix	N9NOG
Jim Tuszka	N9MEB
Dave Tamres	KB9IIF
Lori Jasper	KA9ZGD

Respectfully Submitted:
Mary Eiden, KA9FAS
CWRA Secretary

Washington County Amateur Radio Club

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subscription against one's own wishes just to join the club. Our guest, W9RYA, mentioned that the Smoke Signals is the only such paper serving amateur radio in Wisconsin, and that it provides a valuable service which needs our support. He said, "Without our support we may lose the only voice we have." There is also a substantial savings with group membership. Mike, N9NBN, said that publishing our minutes in the Smoke Signals could serve to increase membership. Sherm, W9NGT, felt that it was a valuable asset and that we should keep it as a part of the dues.

Dave, KA9RNU, encouraged members to join the ARRL and discussed our club's ARRL affiliation.

Members discussed developing a club banner or sign for use at swapfests, meetings, and similar events. There was a suggestion that a flat sign may serve the purpose. Tom, N9LZW, will research the cost of a banner.

Walt, N9LLS, mentioned that the club has been asked to set up a Commemorative station at the Hartford Auto Museum in August.

Brian, N9OFD, suggested that the club have another Homebrew contest. A show of hands showed that at least five members were interested in participating. The homebrew contest will be set for the month of May.

Don, K9GR, announced that the company he works for has two job openings. One is needed for printed circuit layout and a second for technical writing and support.

Larry, WB9BVB, announced that a continental breakfast and tour of the Hartford Heritage Auto Museum is scheduled for Saturday, March 4th, at 9:00 a.m.

Three items were donated for auction to the membership. A 1993 *Callbook* went to N9LLS for \$12.00, a 1991 *ARRL Handbook* to N9OFD for \$7.00, and an admission ticket to the LAMARS swapfest to W9RYA for \$1.00. All proceeds went to the repeater fund.

A motion to adjourn by W9NGT was seconded by N9NBN. Motion carried.

Following the meeting, the members enjoyed a presentation by Verne D. Teske, W9RYA, on tower legislation.

Respectfully submitted: Tom, N9LZW

March Breakfast Schedule

03/04/95, 9:00, Hartford Heritage Auto Museum Tour and Continental Breakfast. (coffee and donuts). Museum is located at 147 N Rural Street in Hartford. Take Sumner St. (Hwy 60) 2 blocks west of Main St. (Hwy 83) and turn north to museum, which will be on your left.
03/11/95, 9:00, Parkside Cafe, Jackson
03/18/95, 9:00, Slinger Inn, Slinger
03/25/95, 9:00, Fay's, West Bend □

Racine Megacycle Club

Alex Voss, N9RGX, Secretary

3333 Standish Lane • Racine, WI 53405

RACINE MEGACYCLE CLUB MEETING • JANUARY 9, 1995

The meeting was called to order by president Paul Smedegaard, N9RGW at 7:30 p.m. Those present were asked to introduce themselves with name and call-sign. 31 Hams were present.

The minutes were read by secretary Alex, N9RGX, and approved with one correction. The name of the restaurant was changed from the Packing Room to the Chart Room.

The President, on behalf of the club, thanked Arne Moxness, KA9ZPY for his past service as secretary. Congratulations were offered to Mike, N9OEZ, and Vicki, N9WWS, on their recent marriage Dec. 23, 1994.

The Treasurer, Dave, AA9HL, gave the financial report: bal. \$1941.52, We're still solvent! Membership is due.. With BSSS, \$15 and, \$6 without.

OLD BUSINESS

Larry, WA9JMO, reported for the Ham Banquet Committee: The banquet will be held on Feb. 25, 1995 at Ensana-da's restaurant, 8300 Washington Avenue. Registration will be at 5:30 p.m., the meal will be at 6:00 p.m., and the awards ceremony will be at 8:00 p.m. Music will be by Ray "Wolfman" Wolf, WB9LST. Registration forms were handed out. Larry also requested that nomination for general meritory awards be submitted in writing by Jan. 31, 1995.

Cheryl, WS9P announced that nominations for Ham of the Year should be submitted in writing to: Dave, WB9USI, Bill, W9OVZ, or Cheryl, WS9P. She then reported on the continuing Jacket Saga. In this episode, the jackets were being held hostage in the back seat of the salesman's car which broke down in Beaver Dam. Stay tuned for the latest news of "the Jackets' Excellent Adventure".

A discussion was held concerning the jacket fiasco and possible actions. A motion was made and seconded that a certified letter be sent to the salesman on Jan. 11, 1995 stating that by Jan 15, 1995 we expect performance or our monetary damage, or we will have to find recourse in

HAM CALENDAR

Courtesy
Racine Megacycle Club

Mar 3 RMC Fox Hunt
Mar 12 WI QSO Party 1995
Mar 13 RMC Meeting
Mar 26 Hamfest at GraysLake
Mar 31 RMC Fox Hunt

Apr 2 Hamfest at Madison
Apr 10 RMC Meeting
Apr 28 RMC Fox Hunt

May 6 Hamfest at Cedarburg
May 8 RMC Meeting
May 13 Hamfest at Manitowoc
May 26 RMC Fox Hunt

Jun 11 Hamfest Stevens Point
Jun 12 RMC Meeting
Jun 23 RMC Fox Hunt
Jun 24 FIELD DAY!

Jul 8 Hamfest at Oak Creek
Jul 10 RMC Meeting
Jul 21 RMC Fox Hunt
Jul 30 HAMFEST RACINE!!

Aug 14 RMC Meeting
Aug 18 RMC Fox Hunt
Aug 26 Hamfest at Onalaska

Sep 11 RMC Meeting
Sep 15 RMC Fox Hunt

small claims court. The motion passed, and the president appointed Alex, N9RGX, and Dave, AA9HL, to write the letter.

NEW BUSINESS

The president appointed a committee consisting of Mike, N9OEZ, Alex, N9RGX, and Dave, AA9HL, to gather information and to address the Racine County Board after the upcoming election to propose a tower ordinance revision to exempt hams.

Mike, N9OEZ, presented flyer advertising the C.A.R.S. "Excellent Adventure" Bus trip to the Odeum Hamfest in Villa Park, Il Jan. 29, 1995 -- We will be back for the Super Bowl.

Larry, WA9JMO brought up the Megacycle Nets to be held on various bands to enhance Amateur Activity, and asked for suggestions. Also, an Amateur Radio Class will be held starting in March; it will run for 12 weeks. He asked for volunteers for teaching positions.

Larry then mentioned that he had donated a document scanner to BSSS at a cost of \$534.95 and asked the club for support at a cost of \$150.00. A motion was made and seconded to support Larry and after an extensive debate a motion to table the previous motion was called and seconded.

Dan, KA9OIL, announced the status of Field Day equipment, and gave numerous suggestions to improve our station. He also talked about Fox Hunting and the winners from last year were Dave, WB9-USI, and Bonnie, WB9ZKX. He submitted in writing the 1995 Fox Hunt schedule.

The Meeting was adjourned at 9:30 p.m.

Secretary Alex Voss, N9RGX

RACINE MEGACYCLE CLUB MEETING • FEBRUARY 13 1995

The meeting was called to order by President Paul Smedegaard, N9RGW, at 7:38 p.m. Those present were asked to introduce themselves with name and call-sign. 28 Hams and one Ham in waiting were present.

The minutes were read by the secretary, Alex, N9RGX, and approved with one correction, Lee, N9VNU, was added to the Tower Ordinance Committee.

The treasurer, Dave, AA9HL, gave the financial report: bal. \$2130.77. --- MEMBERSHIP IS DUE!!!! With BSSS, \$15.00 and \$6.00 without.

OLD BUSINESS

In Cheryl, WS9P's, absence, Paul, N9RGW, gave the next episode of "the Jacket's Excellent Adventure" The jackets have arrived! The deal is no part of the \$532.77 is going to the jacket man and \$800.00 was remitted and will be returned to the club. THERE WILL BE NO COST AT ALL for jackets, shirts or hats! Cheryl should collect the \$800.00 within the week and have a favorable report for the next meeting. If there are any complaints or objections, see Cheryl, WS9P.

The Club wishes to extend its sincerest appreciation to Cheryl for all the grief she has been through concerning the jackets.

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Mancorad Radio Club

Eric Rugowski, WD9IAB, Secretary

P.O. Box 204 • Manitowoc, WI
54221-0204



2-Meter Repeater: 146.01 Input/146.61 Output

MEETING MINUTES FEBRUARY 8, 1995

The meeting was called to order by President Barney, N9XER, at 7:30 p.m. Barney informed the meeting attendees that Clancy's (KB9ECW) class in using the MS-DOS computer operating system begins on February 23 (note: you still might be able to sign up for classes; contact Clancy if you are interested).

Treasurer Glen, AA9MT, read the treasurer's report. (This, along with the minutes to last month's meeting (that were printed in "Smoke Signals"), were approved by the club. Glen also reported about the progress being made with organizing this year's hamfest. At the present time, there are two door prizes that will be given out: both are 2-meter antennas. More prizes will also be offered.

President Barney, N9XER, told the club that a chairman was needed to handle the work associated with the raffle prizes. Jeff, N9XEV, was appointed raffle prize chairman. The club voted to approve funds for the board recommended hamfest raffle prizes. These prizes will be a 2-meter HT (Secretary Eric, WD9IAB, will purchase this at A.E.S.), and a 2-meter SWR/power meter (Ron, WS9X, will purchase this item).

Due to an increase in the rental rate for the hamfest site the club uses, consideration is being made for using other sites for this and future hamfests the club holds. Red, N9GHE, will look into alternate sites on the Manitowoc County Expo Grounds.

John, NZ9Z, then updated the club on the status of our sister club in Sri Lanka. The HF/VHF/UHF SWR/power meter has been purchased, and sent out to this club. John hopes to visit St. Joseph's College in Sri Lanka (where our sister club is located) in March for the school's 100th anniversary. John also informed the club that our sister club would like to get an OSCAR station on the air in time for the school's anniversary. To do this, our sister club is asking for any donations of 2 meter and 432/440 all mode used transceivers. This request was received by John at the beginning of February, so it will be extremely difficult, if not impossible, to locate this gear by the school's anniversary. Anybody who has a line (it doesn't matter if you are a ManCoRad member) on this type of gear, please inform ManCoRad at P.O. Box 204, Manitowoc, WI 54220-0204, or inform John, NZ9Z. John also informed the club that he would look into getting other area clubs to help pool funds to purchase used 2-meter and

432/440 all-mode gear.

President Barney, N9XER, also mentioned to the club that weather spotting classes will be held in April. Anybody who is interested in attending these classes should get in touch with Barney or Eric, WD9IAB.

Glen, AA9MT, then showed the club the homebrew gel-cell power pack that he made to power up his HT. He is able to use it for up to three days of operating before it has to be recharged. The gel-cell only weighs a few pounds, and is easily carried in a small camera case. If you are interested in making this type of power pack, contact Glen.

Secretary Eric, WD9IAB, then informed the club that the Wisconsin QSO Party will take place on Sunday, March 12. It will run from noon until 7 p.m. For the first time ever, contact will be allowed on 6M and 2M SSB and FM. No repeater contacts will be allowed. It is one of the more popular state QSO parties in the U.S.; give it a try. You might find out that you like to contest.

The meeting closed at 8:16 p.m. Refreshments were served, and Clancy, KB9ECW, showed a videotape of the Space Shuttle Mission going at the time of the meeting.

73, Eric, WD9IAB
ManCoRad Secretary

MEETING ATTENDEES

Terry	N9PZT
Sharline	
Dick	N9QFY
Bill	K9DUX
Ron	WS9X
Janice	N9IQZ
Gene	N9UGA
Bill	N9XEZ
John	NZ9Z
Bob	KB9INK
Yogi	WN9Q
Vic	WB9VYO
Mike	KF9YI
Mary	KB9GOY
Ken	K9HAG
Jeff	N9XEV
Red	N9GHE
Clancy	KB9ECW
Dave	N9UGI
Paul	N9QFX
Jim	KB9GOX
Julie	N9PZX
Glen	AA9MT
Barney	N9XER
Eric	WD9IAB

Anything that doesn't sell will be donated to the club. Dan offered to transport the equipment.

Alex, N9RGX, reported that between meetings Doug Weber, WA9AAA, donated a Viking Invader transmitter and a Hallicrafters SX-101A receiver. A motion was made and seconded to accept the donation and loan the equipment to Amateur Radio Explorer Scout Post 424 for as long as they can use it. The motion passed.

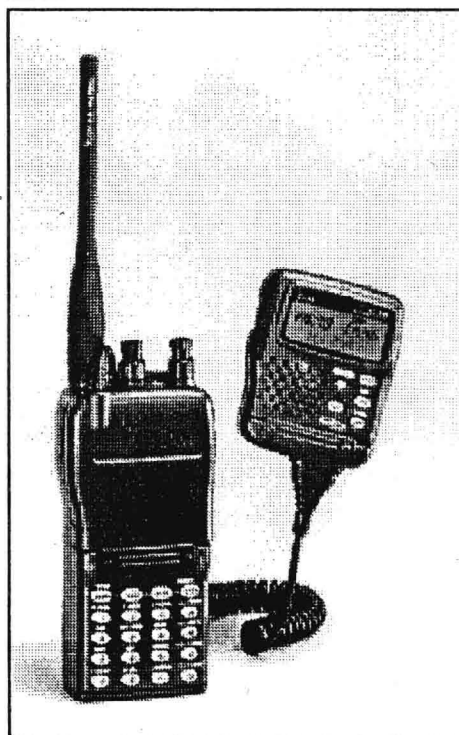
The Goodie Box went to N9XGX. We're sure she'll be able to use all those goodies.

The meeting was adjourned at 8:12 p.m.

Secretary Alex Voss, N9RGX

Badger State Smoke Signals needs articles and stories, especially for new hams. We'd like to provide them with good, basic info about how much Amateur Radio offers, such as basic information about satellite work, amateur television, public service operation, and so on. If you're involved in these areas of the hobby and care to write a story or two, it would be most welcome. You get the same pay we get. Send to the editor. Thanks!

NEW PRODUCTS



ICOM INTRODUCES IC-Z1A REMOTE CONTROL-PANEL HANDHELD

Icom introduces a new generation of handheld, the FIRST removeable remote control panel dual-band handheld (2M/440-MHz).

Simply detach the control panel from the body of the radio. Clip the main body to your belt or put it in a pocket or purse. The remote control panel comes with an extension cable and panel clip. It provides a full functional display of all operations, including bands and frequencies, plus complete control of operating modes, volume, tuning, scanning, band selection, ON/OFF and PTT. It is even backlit for night operation.

Program a six-character channel identification into each memory. A total of 104 memories (46 regular and six scan edge per band) may be displayed by memory channel and either the frequency or alpha ID name (does not reduce the total number of memories available). If the battery runs low, an EEPROM prevents memory loss.

Use the IC-Z1A's alphanumeric display to transmit and receive up to six characters (using DTMF codes) as a simple message pager, etc.

The Icom IC-Z1A has large, backlit keys for easy operation. Its slim and lightweight design make it the ideal travel companion.

The IC-Z1A also features independent tuning knobs and simultaneous receive on both bands. Multiple power-saving functions and three-level adjustable power output allow you to conserve battery life (700mAh nicad battery included). Or operate the Icom IC-Z1A with a 4.5V to 16V external power supply.

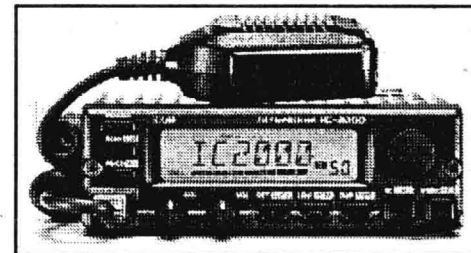
Options include a new HS-85 headset and UT-93 tone decoder and tone scanner (CTCSS encode standard).

The suggested retail price for the IC-Z1A is \$600.00. For information on

availability, please contact your local Amateur Radio dealer or Icom America, Inc., 2380-116th Avenue N.E., Bellevue, WA 98004, (206)454-8155.

This device has not yet been approved by the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased until the approval of the FCC has been obtained.

- Icom news release



ICOM INTRODUCES IC-2000H, SUPERIOR WIDEBAND MOBILE

Icom introduces the IC-2000H superior wideband mobile featuring clear, crisp reception designed specifically to deal with cross modulation interference. The IC-2000H employs a tracking tuning system and high quality RF band pass filters to improve image rejection and intermodulation characteristics. Now you can pursue your hobby in areas with high quantities of RF devices (i.e. mobile radios, paging systems, cell phones, cordless phones, etc.) without paying a steep price in performance or from your pocketbook.

Each of the 50 memories can be programmed with a six-character name. This allows you to instantly identify the frequency by name for less confusion and mistakes. Two scratch pad memories and six scan edge memories are also available. With 50 watts of output you can easily work distant repeaters. The IC-2000H enables you to work fringe areas at full output, or closer stations at a five or 10 watt low power setting.

The Icom IC-2000H's die-cast aluminum one-piece frame is ruggedly constructed with a large heat sink to provide stable duty cycle operation. The IC-2700H receives 118 to 174 MHz (118 to 136 MHz AM, 1361 to 174 MHz FM, includes aircraft reception) and transmits 140 to 150 MHz (for MARS/CAP operation). Advanced scanning features include full scan, program scan, five scan resume conditions, mode scan and priority watch.

Additional features include a call channel, busy channel lockout, auto power off, programmable up switch and separate volume/squelch knobs. Optional features include a UT-55 alpha message pager, UT-85 tone scanner. UT-101 code squelch/pager and UT-85 tone squelch/pocket beeper. The suggested retail price for the IC-2000H is \$430.00. For further information about the Icom IC-2000H, please contact your local Icom Amateur Radio dealer or Icom America, Inc., 2380-116th Avenue N.E., Bellevue, WA 98004, (206)454-8155.

This device has not yet been approved by the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased until the approval of the FCC has been obtained.

- Icom news release

Racine Megacycle Club

Continued from page 11

Larry, WA9JMO reported for the Ham Banquet Committee: To date, we have 73 people signed up, down 20 from last year. Please get your reservation to Bob, W0WLN by yesterday. The banquet will be Sat. Feb. 25, 1995. at Ensanada's 8300 Washington Ave. Racine, Wi.

NEW BUSINESS

Dan, KA9OIL, announced that the next hidden transmitter hunt will be March 3rd at 7:20 p.m. The start point will be Regency Mall parking lot. He also has many club QSL cards and wanted to have the club purchase QSL card holders to display them. A "bag" of headphones was donated to the club for Field Day. Dan was in contact with a man who was a relative of an out of state silent key who asked if the club would be interested in purchasing any or all of the SK's HF equipment. There are a lot of parts too.

Quarter Century Wireless Association Southern Wisconsin Chapter 162

Larry McCalvy, WA9JMO
5400 Six Mile Road
Racine, WI 53402



Congratulations are in order for Herb, W9PHJ, and Ellanora Ladwig on their granddaughter Elizabeth Ladwig joining the ham ranks as N9ZOY; and Al, W9CKQ and Bernardine Marini on their son in law, Dave Kroes, becoming licensed as N9ZOW.

Our Valentine luncheon held on the 19th of February at the Station in Kenosha was another smashing success. Excellent food, wonderful dining companions, and two delicious cakes. I had a piece of each. Dick, WA9HOH and Elizabeth Kehl provided the cakes for the occasion. I know

Dick volunteered the cakes, but who do you think made them? I didn't ask, but if I were a betting man, I'd wager the farm it was not the ham in the family!

Dick had what turned out to be a small medical problem earlier in the month (or just appeared to be small, now that it is corrected) with a blockage in one of his heart's arteries. In laymans' terminology, a balloon was inserted to open the artery and a device resembling a small Chinese finger puzzle was placed inside the artery

Continued on page 13

Continued from page 12

where the blockage occurred. In time, the device will attach itself to the walls of the artery, strengthening the walls. Dick said he feels pretty good and can hardly wait to get back to running - one of his passions in life.

On the 17th of December last year, Travis Baird, W9VQD, had a problem with an irregular heartbeat; a trip to the hospital and two days later, Travis had received a pacemaker. At this writing, everything appears back to normal and we are hopeful Travis and Marion can join us for the chapter's anniversary bash on Sunday afternoon, the 16th of April, at a restaurant to be determined. A program of travel will be offered for the attendees: Chuck, W9GKM and Marcy Knotek, will talk about their European travels last summer; Larry McCalvy's (WA9JMO) wife Wendy will speak on her recent trip to Moscow, Russia; and Steve Bellgraph's (K9ZL) wife Joyce (at this writing, she is in Australia) can hopefully be persuaded to discuss the wonders of that fair continent. Mark the calendar and watch the mail for the chapter's postcard announcing this

great event.

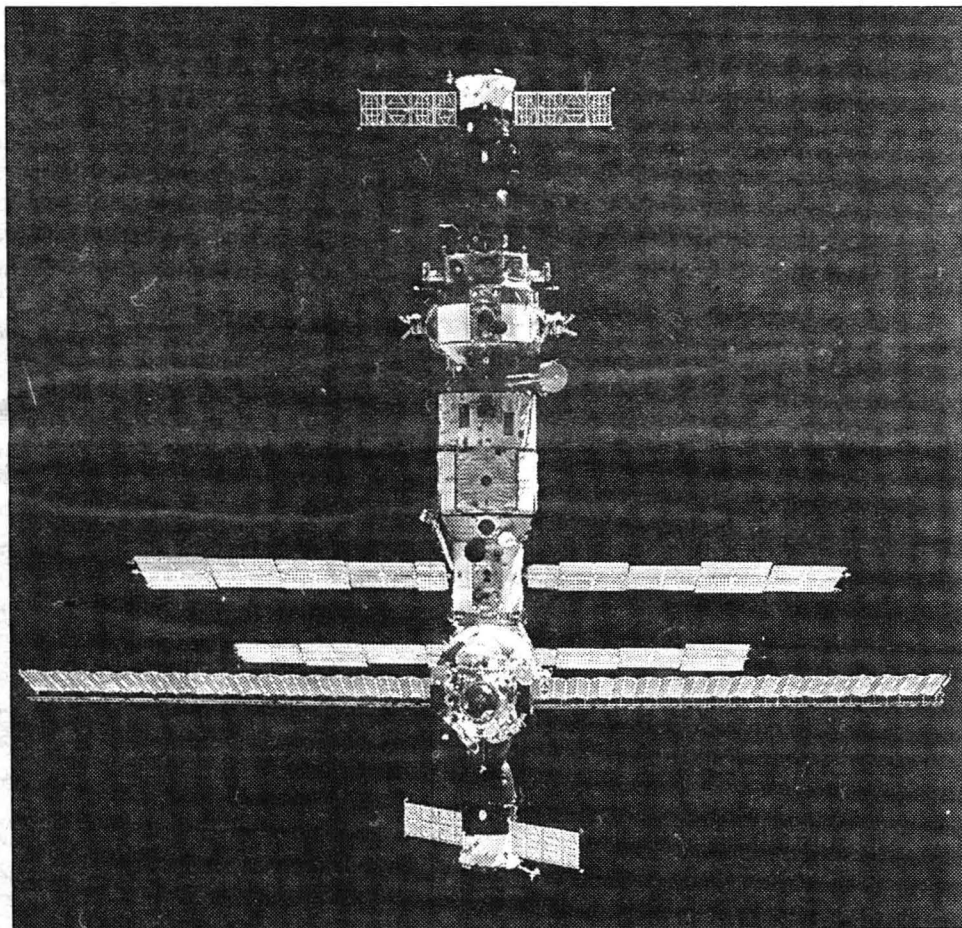
Our March meeting will be held at the Meadows Restaurant in Franksville beginning at 7:30 p.m. All future business meetings will have a start time of 7:30 instead of 7 p.m. The Meadows Restaurant is at 10615 Northwestern Avenue (Hwy. K). Take I-94 to Racine's Hwy. K exit, go east for about two miles. The restaurant is on the south side of the road, just before the railroad tracks. Talkin will be on the Lakeshore repeater, 147.27, if needed.

Our Secretary/Treasurer, Bob Jensen, W0WLN, received, and during the Valentine lunch, read a letter from Art, W9VSO and Terry (Squeeks) N9VKF Vahovius, who are basking in the warm Alabama sunshine and working all kinds of rare DX. Art and Squeeks will be returning to Wisconsin after a four-month hiatus in you-all land.

Beginning Thursday, March 2, 1995, and for the following eleven weeks, our chapter, in a joint venture with the Racine Megacycle Club, will be engaged in an Amateur Radio class at the Red Cross Building in Racine. Code class at 6 p.m. and the theory portion from 7 to 8:45 p.m., will be our agenda. If you would like to assist us, or if you know someone interested in participating in the course, contact me at the above address, or call 639-7327.

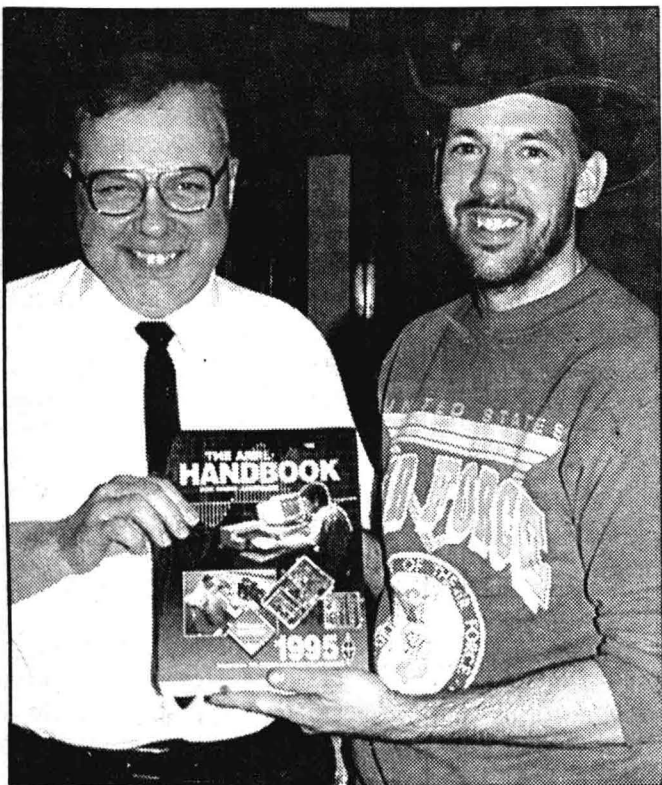
73, Larry McCalvy, WA9JMO

Here's Mir



Taken during the STS-63 Discovery Space Shuttle mission in early February, 1995, this photo shows Russia's Mir space station during rendezvous operations with Discovery. Docked at bottom (nearest portion where longest solar array panel is visible) is a Soyuz space vehicle. On the opposite end is a Progress spacecraft.

- Photo by National Aeronautics and Space Administration



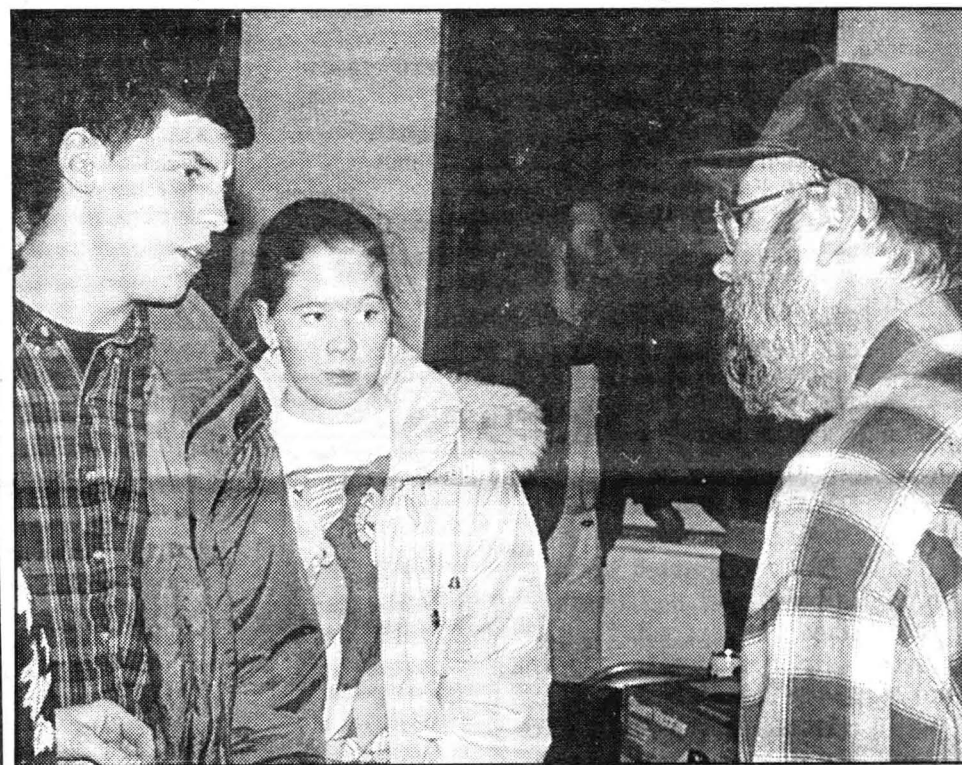
Right There.. on the Cover!

Pete Sweeney, WD9-JIB, Reedsburg, and Mark Snyder, N0MVV, North Freedom, hold a copy of the 1995 ARRL Handbook. Pete and Mark are in the lower left photo on the cover of the handbook. The picture was taken by K9ZZ during one of the Yellow Thunder Amateur Radio Club's Field Day operations a couple of years ago. The same guy took this photo.

Yellow Thunder Amateur Radio Club Holds Open House, Intro to Ham Radio Classes



To introduce prospective radio amateurs to the hobby and to the club's members, the Baraboo-based Yellow Thunder Amateur Radio Club held a combined meeting and open house on February 15. The open house also marked the beginning of classes for new hams. The event was a success, with the meeting room crowded with club members and many guests. The event was publicized by direct mailing and by a small story in the local newspaper, with the mailing apparently providing the best results. In the top photo, Bob Sauvin, WT9Q, Sauk City, shows an HT as Don Schellin, N9TWC, Sauk City, looks on. In the bottom photo, Bob answers questions after his presentation to the group.



Red Cedar Repeater Association, Inc.

Steve Hart, KA9OMC, Secretary

E616 810th Avenue

Knapp, WI 54749

2-Meter Repeater: 146.01 Input/146.61 Output

Greetings, RCRA sponsors and guests.

The last social hour was held on January 24 in Menomonie. Balance on the account was \$189.97.

ATTENDANCE

KF9CU and OM Dave
KB9AGC
KA9OMC
WB9YMB
NX9F
K9IAG
K0DL
N9RSU
N9PPE
N9TTV
N9KMZ
KA9PVY

KF9CU, Arlene Kraft, was presented a certificate of appreciation from the association for her work as label drive manager, net bulletin station, and auction server. She has performed these functions at the appreciation of many in excess of

five years. Arlene also presented the association with another label drive check, and indicated that we have reached a total of 5000 labels since the beginning of the program.

N9KMZ, Tom Johnson from Dunn County Emergency Government, was on hand to present the association with a check for \$75 for our involvement in severe weather warning and general disaster preparedness.

N9PPE, Jeff; N9RSU, Leroy; and N9ZLX, Linda, joined the ARRL through the RCRA, and KB9AGC, Melvin, renewed his support for the repeater for another year.

The next social hour will be March 28th in Menomonie at the Peppermill Restaurant in the T-Bird Mall. Meeting time is 7:30 p.m. A complete review of the auction will be presented.

73.

Steve Hart, KA9OMC
RCRA Secretary/Treasurer

At press time, no information for publication had been received from the Wisconsin Valley Radio Association or the Sheboygan County Amateur Radio Club. □



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

Ted Heilmann, N9LLT

921 8th Avenue • Grafton, WI 53024

Joel Papke, N9BQM, Editor, 7968 Ubinger, Pittsville, WI 54466

WAPR MINTUES
January 28, 1994

Meeting called to order at 10:10am, 28 Jan 95.

Kent W9LZQ expressed thanks to the Ashwaubenon High School Tech Club for providing the meeting room for us. The AHSTC made an announcement that they would be hosting swapfest 8 Apr 95. Contact Chad Stiles N9PAY for details at 414-494-2936.

Board of directors was introduced, followed by individual introductions.

Kent W9LZQ apologized to the folks from Waukesha, where the meeting was originally scheduled to be held, during the Waukesha swapfest. He continued to say that next January the meeting will be scheduled for Waukesha, and that it was our intent to move the meetings around the state, so that no area is left out of participation.

The minutes of the 8 Oct meeting were read by Tom N9UDL and unanimously approved.

Kent W9LZQ read the treasurer's report he has received from Ted N9LLT. Current balance was \$1667.41. Currently 130 members in WAPR. The report was unanimously approved.

The following committee reports were given:

Publicity:

Joel N9BQM said that he is updating the WAPR node map, and asked that all node/bbs operators furnish their current information, including their current neighboring nodes/bbses to him. (Freq. coordinator Steve KE9LZ later said to direct this information to him, and he'll forward to Joel. See his report below for info.) Kent W9LZQ asked the status of the WAPR brochure, and Joel N9BQM said that he had the information for it put together, but that he needed help with layout. Tom N9UDL volunteered to help with layout of the brochure. Kent said he'd like see this happen before Madison swapfest.

Freq. Coordination:

Steve KE9LZ said he hadn't had much information to work with, and was trying to build a database of node/backbone information. He stated that he would be following WAR guidelines for coordination. He has created a form for submitting node/bbs information. Please fill out this form and return to Steve if you have any node/bbs operations. Steve said that he would send the form out via the network. Contact Steve KE9LZ if you cannot find the form. Steve stated that regional frequency coordinators had been recruited: AA9AW for the western part of the state, K9RRS for the southern part, and he is still looking for someone in the northwest part. Steve was asked if we got our info into the ARRL repeater directory by the deadline, and Steve commented that the information he had received was so out of date that he thought it would be better to wait until we had correct information to submit. He said that we would have plenty of time to correct this by next year.

N9CFN made a motion to grant the Ashwaubenon High School Tech Club an honorary WAPR membership. Unanimously approved.

Old Business.

Dan WB9TYT wanted to explain the history of the Slinger nodes, and what has happened. Dan is now running the nodestack at his home. His BBS is accessible from the network or on 145.690 via WB9TYT-7 or on 144.930 via WB9TYT-9 & then C WB9TYT. This then led into a lengthy discussion of the statewide network status. Dan pointed out on the map the current paths in use by the network. Holes in the network are increasing

hidden transmitter problems, as people are trying to use BBS's outside their immediate area. Dan WB9TYT related an incident where he had burned an EPROM for a sysop, and asked to have his costs covered. The sysop was outraged, because he apparently thought that WAPR was providing services at no cost to others. Kent W9LZQ reinforced that WAPR didn't fund everything on the WAPR network, that most of the expense is covered by the sysop operating the BBS/node. WAPR assists where it can in sharing some expenses, but only when they are made aware of a need by a WAPR sysop and there is agreement that it is a good use of WAPR funds.

Discussion of the network status led into discussion of restricting direct backbone access to BBS/node operations. The comment was made that this was mostly an issue of education, and that users would probably use the system more effectively if we posted articles in BSSS presenting correct use of the network. There was discussion of articles currently being written by Andy KB9ALN. There was general agreement that there was more we could do in educating the packet end users.

Kent W9LZQ asked if we should form a standards committee, and if backbone access was the kind of issue that should be studied by such a committee. There was agreement, but no action was taken.

New Business.

Possible Future Meeting Locations:

April: Madison Swapfest (firm)

June: Stevens Point

July: South Milwaukee Swapfest (possible extra meeting)

October: La Crosse

Dan WB9TYT asked if he should post messages he receives from the MSYS Internet mailing list as bulletins. There was agreement that this was a good idea.

Kent W9LZQ said we needed to inventory WAPR owned equipment. Please forward information you have on such equipment to W9LZQ@AA9AW.

Ron N9CFN gave an update on the TCP/IP activity in the Green Bay area. Ron commented on some of the benefits of using TCP/IP software for packet.

There was an update on TCP/IP address coordination procedures. Please follow these instructions for acquiring an IP address:

For IP address requests, and to report problems contact:

Wisconsin and Michigan UP except areas below:

Thomas Landmann N9UDL
209 W Randolph Street
Stoughton, WI 53589
Office: 608.263.1650
Home: 608.877.1104
E-mail: landmann@facstaff.wisc.edu
AX.25: N9UDL @ WD9ESU.#SCWI.WI.NOAM
CompuServe: 76020,2055
(checked infrequently)

Please include the following information with your request:

Name, Call, Postal Address, Phone, Internet Email, Packet Address, Name of nearest major city and distance.

Green Bay Area:

Ron Nelson, N9CFN
Home BBS : N9CFN@KA9JAC.WI.USA.NOAM
Mailbox : N9CFN@N9CFN.#GRB.WI.USA.NOAM
AMPRnet : n9cfn@n9cfn.ampr.org
[44.92.20.1] (Ron Nelson)
Internet : 447444bs@gbvaxa.uwgb.edu

Snailmail : 1448 Garland Street, Green Bay,

WI 54301-2528

Ma Mail : (414)435-7949

Appleton Area:

Ron Nelson, N9CFN (temp, info above)

and

ALAN R VAN DYNHOVEN, KB9BYQ

1211 GEORGE ST APT 5, APPLETON, WI 54915

Sheboygan Area:

Julian Macassey, N6ARE

julian@bongo.tele.com

Voice: (414) 457-0874

Paper Mail: 210 Bleyer Drive, Sheboygan,
Wisconsin 53081-8714

Manitowoc County Subnet

Ron Nelson, N9CFN (temp, info above)

Tom N9UDL told about an Internet mailing list for discussing packet radio as it exists/will exist in Wisconsin. You can subscribe by sending email to "listserver@relay.adp.wisc.edu" with the following text in the body of the message: "subscribe wi_packet FirstName LastName Call". Leave your signature off, as it may confuse the listserver.

Reminder that the policy concerning dues will be discussed and voted on at the June meeting. Please come to this meeting if you are concerned about possible changes in dues.

Meeting was adjourned.

Packet in Wisconsin gains again!

More hams are now members of WAPR than ever before. In the past six months the organization has grown by over 30 percent, indicating that packet operators are gaining an understanding of the role WAPR plays in supporting digital networking in the state. At the same time, we are involving more and more people in a "grass roots" effort to build the network and participate in digital development.

You can be part of the action. In fact we are looking for volunteers for committees now. We are also looking for you to join us on April 2 at the Madison Hamfest. We will have an official WAPR meeting on Sunday and hope you can attend. It's your opportunity to discover what's new with digital communications in Wisconsin.

73, Kent W9LZQ

This series of articles is presented by the Wisconsin Amateur Packet Radio Association to help all packet operators enjoy the Wisconsin Packet Radio Network. WAPR actively helps packet radio network development in a number of ways. Understanding what a good statewide packet radio network is all about helps packet operators use the network more efficiently. This understanding will also help packet operators see why continued network development, as well as cooperative operation of the network, is essential.

To help the continued development of the Wisconsin network, please Consider joining WAPR.

Using the Wisconsin Network - Part One by Andy Nemec, KB9ALN

This is part one of a series of articles designed to help packeteers understand and use the packet radio node network in Wisconsin. In Part one, we start off with a general discussion of nodes and networking, in basic terms. It is oriented toward the newer packet operators, but

even experienced operators may find some useful information in here. We hope that this series adds to your enjoyment of packet radio, and you find it good reading.

What is a node?

A node in it's basic form can be called an intelligent digipeater. Those of you who have operated your packet stations any time at all know that every TNC can be used as a Digital Repeater. This is done in order to extend the distance a packet station can send and receive packets. A digital repeater just simply repeats packets that are addressed to it. An intelligent digipeater has the ability to make sure that the repeated packets reach where they are supposed to go. Nodes are sophisticated, intelligent digipeaters, and some types are capable of much more than just digipeating. For our purposes, we will lump these nodes into 3 categories, Non-Network Nodes, Special Purpose Nodes, and Network Nodes.

A Non-Network node is one that basically is an intelligent Digipeater. It receives a packet from one station, and sends it to another, checking to see if it arrived. Alone it serves a useful function. It will also tell you what stations it has heard, and when. A good example of a non-network node is a Kantronics KA-Node, sometimes called a "Wild Node". This KA-Node is part of most of Kantronics TNC's. Some nodes, including fancier Kantronics nodes, perform special purposes, like Gateway Service.

This brings us to the Special Purpose Nodes. These may connect 2-Meter packet radio activity to 20 Meters, connect Packet radio to a satellite link, access to a Public Bulletin Board System, or a DX Spotting system. Special purpose nodes may be linked to other nodes in a Network, but not always are. Some newer nodes provide so many features that they almost can be classified as Multi-Purpose.

Then we come to Network Nodes. The Network Node is connected to other Network Nodes, and together they offer one attractive feature. That is the ability to send and receive packets over great distances with great speeds. These nodes carry digipeating on to a science, and even speak their own language to make sure the packets reach their destination. There are several different kinds of Network Nodes out there, and we will not devote the time and space to something you aren't likely to encounter. In Wisconsin, the overwhelming majority of Network Nodes in use are called "TheNet". This is the type of firmware (operating system) that the node uses to route packets to the right place. Our discussion of Network Nodes will be oriented toward "TheNet" type nodes found in Wisconsin.

Note that the Network Nodes know how to "route" a packet based on where you want to tell it to go. Each node has talked to other network nodes, telling it what it can hear and talk to. They exchange information on what other nodes it can connect to, and the signal quality of these nodes. We won't get into the details of how the process works here, but this fact is useful to know.

Each of these nodes has a callsign, like any other Ham Radio Station. They are sponsored by a club or an individual, like a voice repeater. They also have another name they are known by, an alias. This alias generally starts with the state name, and 3 to 5 letters that give some clue to its location. Usually these are chosen from the local airport designator. For example, here in Green Bay our local network node is known as WIGRB, WI for Wisconsin, with GRB the airport designator. Other nodes on the network know that WIGRB exists, the best way to get to it, and where else it can go.

This is valuable information for packet operators, because it helps to get them where they want to go. In Part-2, we will discuss how a Network is put together, so you understand how to use it in an effective way. Until then, 73.

TAPR 1995 Annual Meeting
March 3rd - 5th, St. Louis, Mo.

Join some of the brightest and most enthusiastic of today's packet developers/users, with a weekend full of Packet Radio and Digital Communications talks, presentations, SIG meet-

Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959



The minutes of the February Yellow Thunder Amateur Radio Club did not arrive in time for inclusion in this issue of BSSS. We expect to have the minutes in next month's issue.

The March meeting of the Yellow Thunder Amateur Radio Club will be held on Thursday, March 16, 1994 at the Baraboo Civic Center. The meeting will start at 7:30 p.m.

ings, and two SPECIAL Sunday Workshops. In addition, an advanced DSP symposium is planned for Friday afternoon for software developers of DSP systems.

TAPR's annual meeting will be co-hosted by MoAmPS (Missouri Amateur Packet Society) on March 3rd, 4th, and 5th, 1995, in St. Louis, Mo. TAPR (Tucson Amateur Packet Radio), a non-profit research and development corporation, works on the advancement of digital communications and education. This year's annual meeting will be the first held outside of Arizona and presents a unique opportunity for those unable to travel to Tucson to attend meetings.

The annual meeting formally begins Saturday morning at 8:30am. Registration begins at 8am. The location is the St. Louis Community College at Florissant Valley, 3400 Pershall Rd, along I-270, east of I-170 and west of West Florissant Ave. The TAPR meeting will be held in the Theater, which is on the north side of the campus.

On Sunday, two half-day workshops will be held. One will focus on Error Correction Techniques (8:30am - 11:30am), by Phil Karn, KA9Q, while the second will focus on higher level interests for the development of hardware/software for the TAPR/AMSAT DSP-93 (12noon - 3pm), by Bob Stricklin, N5BRG.

These are exciting times for digital communications and TAPR. This year's meeting should be a super-charging event for everyone who can attend!

Meeting Hotel

Lodging will be at the Henry VIII Hotel and Conference Center, 4690 North Lindberg Blvd, St. Louis (Bridgeton), MO, 63044, Phone (lots of them): 800-325-1588, 800-392-1660 (in MO. only), 314 731-3040, or FAX 314 731-4210. If you are planning to stay at the hotel, it is highly recommended that you book your room as soon as possible.

Annual Meeting Registration

Pre-Registration is available until Feb 17th, 1995. Contact TAPR for full details on the conference and registration information.

TAPR

8987-309 E. Tanque Verde Rd. #337
Tucson, AZ 85749-9399
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Fax: (817) 566-2544
Internet: tapr@tapr.org

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Statewide Tornado Drill

The National Weather Service will be conducting a Statewide Tornado Drill on April 27, 1995. All Wisconsin Amateur Radio Clubs are encouraged to complete their Skywarn training prior to this date. Although the drill is being conducted in late April, Wisconsin has had tornadoes in March, be prepared. Within the realignment of the National Weather Service Offices, it would be a good idea to check on which office to report severe weather to. 73 de Mack.

from N9NTB @ WD9ESU.EN53IE.WI.USA.NOAM

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By John, KB8GYS
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Extension 58

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November 5, 1995

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HAMFEST INFO:

Dan Vanevenhoven, N9LVS
2410 E. Newberry Ct.
Appleton, WI 54915
414-739-5101

EXAM INFO:

Larry Siebers, KD9IA
414-788-3823

Lakeshore Hamfest & Computer Swapfest

Manitowoc County Expo

Intersection of Hwys 42-151 and I-43 on Cty Highway R

Saturday, May 13, 1995

For more information, call:

Glenn, AA9MT: 414-684-7096
Red, N9GHE: 414-684-9097 (Nights)

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UNIVERSITY CENTER, U.W. STEVENSON POINT

Info: Art Wysocki, N9BCA
3356 April Lane

(715) 344-2984
Stevens Point, WI 54481

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July 22, 1995

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Carol Ceraso

(715) 723-9205

Liz Searing

(715) 834-1303

P.O. Box 1867 • Eau Claire, WI 54701

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Saturday, May 6, 1995

8 a.m. to 1 p.m. • Circle B Recreation Center

Intersection of Highway 60 and County I

Exams by Badger Examiners, c/o Gary Sharbuno,

5119 W. Willow Rd., Brown Deer, WI 53223

Swapfest sponsored by Ozaukee Radio Club

11448 N. Laguna Drive • Mequon, WI 53092

Kettle Moraine Radio Amateurs

SWAPFEST

Sunday, October 15, 1995

Waukesha County Expo Center

Info: KMRA Swapfest

P.O. Box 411

Waukesha, WI 53187-0411

Red Cedar Repeater Association, Inc.

AUCTION

February 27, 1996 • 7:00 p.m.

American Legion Post 53 • 634 Water Street

Eau Claire, WI

CONTACT:

Steve Hart, KA9OMC
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Knapp, WI 54749

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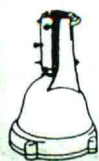
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